

Incident Name: Bayou Teche Incident

Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]

Approved By

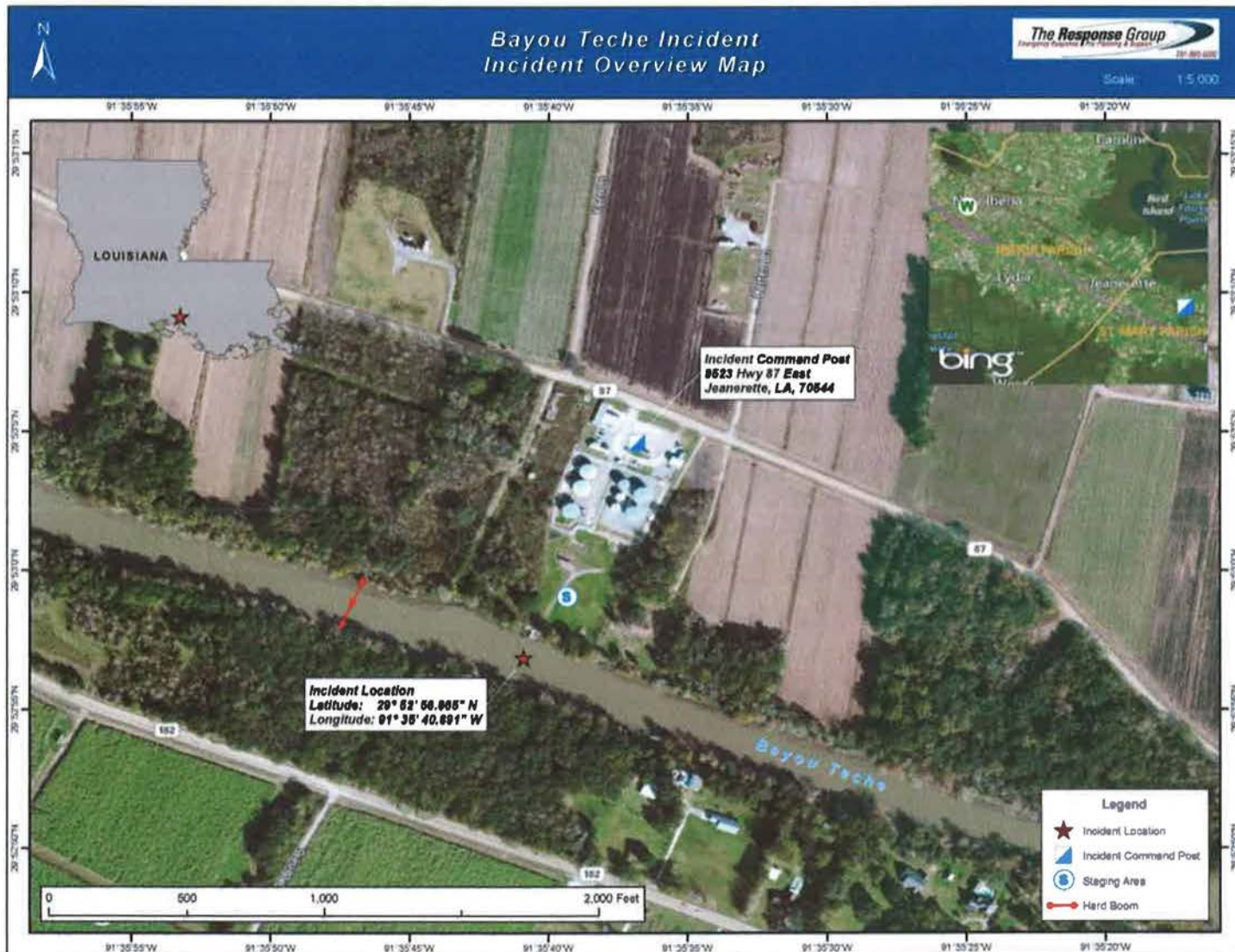
Federal OSC:

State OSC:

Incident Commander:

# Incident Action Plan

## Incident Overview Map



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Incident Name: Bayou Teche Incident
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Period: Period 2 [03/31/16 06:00 - 04/01/16 06:00]
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<b>Weather Report</b>			Version Name: 20160331_0600_Sorell, LA		
Incident Name: Bayou Teche Incident			Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]		
<b>Present Conditions</b>					
<b>Weather Conditions as of 03/30/2016 16:53</b>					
<b>Humidity (%)</b> : 79 <b>Wind Speed</b> : 28.00 MPH <b>Wind Direction (from)</b> : SSE <b>Temperature</b> : 77.00 F <b>Visibility</b> : 10.00 MI <b>Current Speed</b> : <b>Current Direction (to)</b> : <b>Water Temperature</b> :			<b>Pressure</b> : 29.85 IN <b>Dew Point</b> : 70.00 <b>Feels Like</b> : 77.00 <b>UV Index</b> :  <b>Wave Height</b> : <b>Wave Direction</b> : <b>Swell Height</b> : <b>Swell Interval</b> :		
Cloudy with Light Rain					
<b>Forecast Date</b>	<b>Wind</b>	<b>Temp Hi/Lo</b>	<b>% Precip</b>	<b>Sunrise/Sunset</b>	<b>Notes</b>
<b>Wed</b> 03/30/2016	17.00 MPH SE	79.00 F/ F	55.00		Mostly Cloudy with Scattered Showers
	17.00 MPH SSE	F/70.00 F	55.00		Mostly Cloudy with Scattered Storms
<b>Thu</b> 03/31/2016	16.00 MPH S	79.00 F/ F	54.00		Mostly Cloudy with Scattered Storms
	10.00 MPH SSW	F/66.00 F	52.00		Mostly Cloudy with Scattered Showers
<b>Tides</b>					
<b>High Tide</b>		03/30/2016 14:22		1.30 FT	
<b>Low Tide</b>		03/30/2016 05:22		0.20 FT	
<b>Low Tide</b>		03/31/2016 06:22		0.20 FT	
<b>High Tide</b>		03/31/2016 15:30		1.30 FT	
<b>Weather Report</b>			Prepared By McConaughey, Brian, Updated 03/30/2016 17:35 GMT -		
<b>INCIDENT ACTION PLAN SOFTWARE™</b>	Printed 03/30/2016 17:38 GMT -6:00				© TRG





# Bayou Teche Incident Situation Status Map March 30, 2016 17:00

Scale: 1:16,500



ICS 202 - Incident Objectives		Version Name: Period 2 Objectives	
Incident Name: Bayou Teche Incident		Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]	
Objective(s)			
Ensure the Safety of Citizens and Response Personnel			
Maximize Protection of Environmentally-Sensitive Areas, including wildlife, habitats, and historic properties			
Contain and Recover Spilled Material onwater, shoreline and other impacted area			
Manage Coordinated Response Effort			
Keep the Public and Stakeholders Informed of Response Activities			
Recover and Rehabilitate Injured Wildlife			
Maintain security around the perimeter of the spill			
Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions)			
Any injury above first aid			
Equipment that is off line for more than 2 hours			
impacted wildlife on the protected species list			
Impact to tribal properties			
Damage or impact to infrastructure or private property			
ICS 202 - Incident Objectives		Prepared By Planning, Updated 03/30/2016 16:30 GMT -6:00 PP	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/30/2016 17:38 GMT -6:00		© TRG

<b>ICS 204 - Assignment List</b>			Area Of Operation: Air Monitoring Group	
Incident Name: Bayou Teche Incident			Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]	
<b>Operations Personnel</b>				
<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Work Shift</b>
Operations Section Chief	Headley, Kirk	AMPOL	337-519-8071	
Air Monitoring Group Supervisor	Rieth, Mikey	CTEH	504-432-2843	
<b>Resources Required</b>				
<b>Area Of Operation</b>	<b>Resource Kind</b>	<b>Description</b>	<b>Quantity</b>	<b>Size</b>
Air Monitoring Group	Equipment: Safety	Multi RAE Monitor	8 each	
Air Monitoring Group	Manpower: Responder	Air Monitoring Personnel	8 each	
Air Monitoring Group	Equipment: Safety	Ultra RAE Monitor	8 each	
Air Monitoring Group	Equipment: Safety	Area RAE Monitor	5 each	
Air Monitoring Group	Vehicle	Vehicle	2 each	
Air Monitoring Group	Manpower: Operator	Boat Operator	1 each	
Air Monitoring Group	Manpower: Supervisor	Manpower: Supervisor	2 each	
Air Monitoring Group	Vessel	Safety Vessel	1 each	
<b>Assignments</b>				
Conduct continuous air monitoring on water, in all divisions (including the ICP during operational hours) and neighboring Communities (24 Hour Monitoring), as well as the eastern and western edges of the security zone, in accordance with the Air Monitoring plan developed by CTEH.				
<b>Communications</b>				
<b>Name / Function</b>		<b>Contact Details</b>		
Operations		22		
<b>Special Environmental Considerations</b>				
Do not attempt to retrieve oiled/stressed wildlife. Contact Rhonda Murgatroyd at WRS 713-705-5897, Division Supervisor or Operations Section Chief if oiled/stressed wildlife is observed.				
<b>Special Site-Specific Safety Considerations</b>				
Report any safety related incidents to the Safety Officer Don Meche 337-230-1413. FRC is required past the checkpoint to the dock. Muster stations for the facility is located outside the front gate. Muster station for on water operations is located at the dock.				
<b>Additional Information</b>				
Contact Unified Command if access is needed for private property shorelines				
<b>ICS 204 - Assignment List</b>			Prepared By Tannehill, Lance, Updated 03/30/2016 18:16 GMT -6: PP	
<b>INCIDENT ACTION PLAN SOFTWARE™</b>	Printed 03/30/2016 18:24 GMT -6:00		© TRG	

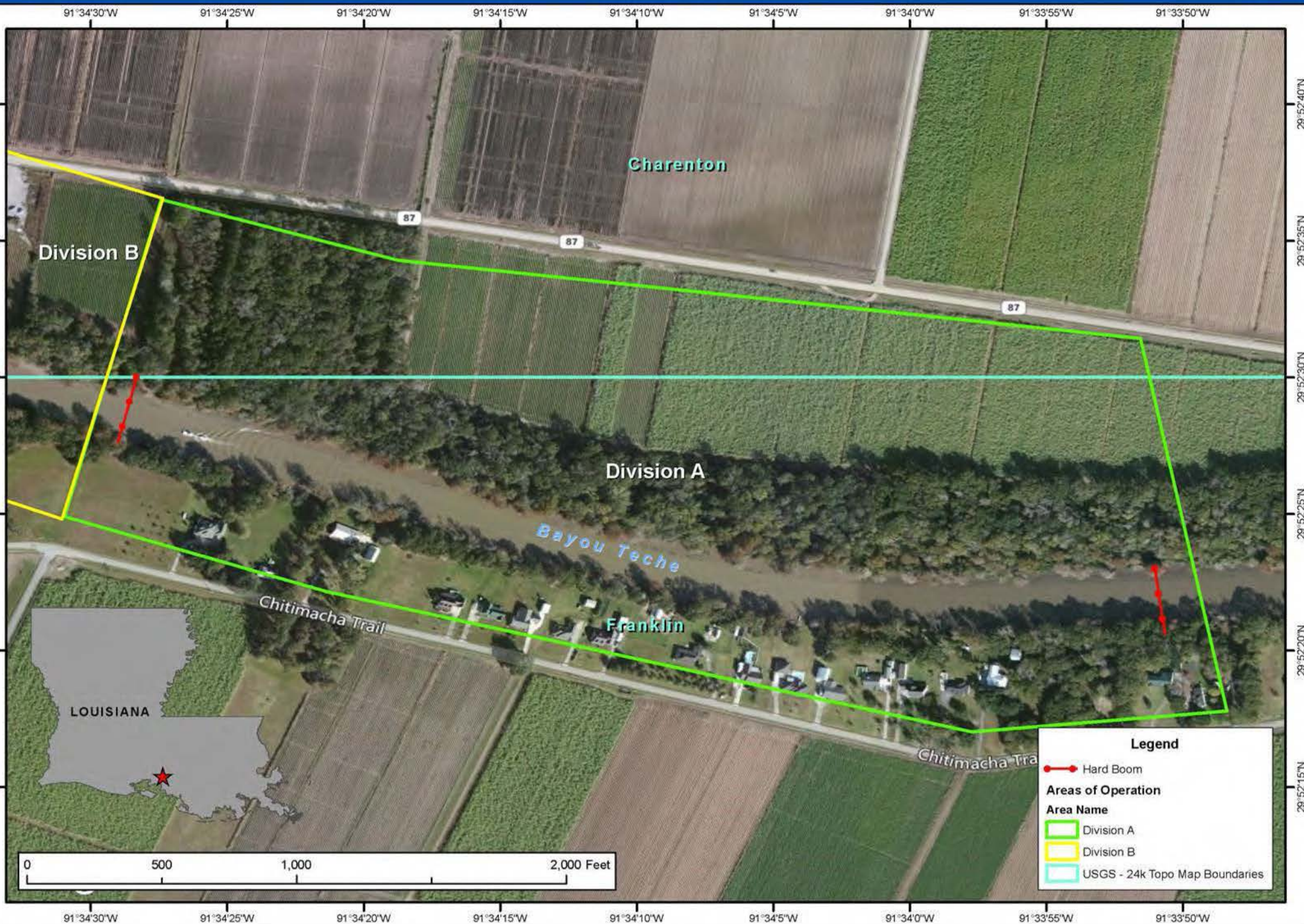
<b>ICS 204 - Assignment List</b>			Area Of Operation: Division A		
Incident Name: Bayou Teche Incident			Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]		
<b>Operations Personnel</b>					
<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Work Shift</b>	
Operations Section Chief	Headley, Kirk	AMPOL	337-519-8071		
Recovery & Protection Branch Director	Breaux, Cory	AMPOL	337-319-0055		
Division A Supervisor	Leleux, Woody	AMPOL	337-230-8717		
<b>Incident Resources</b>					
<b>Area Of Operation</b>	<b>Resource Kind</b>	<b>Description</b>	<b>Quantity</b>	<b>Size</b>	<b>Status</b>
Division A	Air Compressor	Air Compressor	1		Assigned
Division A	Boom	Containment Boom	1000feet		Assigned
Division A	Equipment: Comms	West Marine Hand Held VHF Radios	2each		Assigned
Division A	Manpower: Operator	Boat Operators	4each		Assigned
Division A	Manpower: Supervisor	Supervisors	1each		Assigned
Division A	Pumps	Trash Pump (2")	1each		Assigned
Division A	Skimmer	Drum Skimmer w/ Airhose	1each		Assigned
Division A	Sorbent: Pads	Sorbent Pads	20each		Assigned
Division A	Storage: Liquid	Tote Tanks (250 gal)	3each		Assigned
Division A	Vessel	Response Boat - M/V Henderson (Boom Tending)	1each		Assigned
Division A	Vessel	M/V Barge Boat	1each		Assigned
<b>Assignments</b>					
Monitor & maintain integrity of deployed boom in Bayou Teche. Utilize drum skimmers & response boats with flush pumps to conduct flushing, skimming, & recovery efforts in Division A in free floating/oiled areas.					
<b>Communications</b>					
<b>Name / Function</b>		<b>Contact Details</b>			
Operations		22			
<b>Special Environmental Considerations</b>					
Do not attempt to retrieve oiled/stressed wildlife. Contact Rhonda Murgatroyd at WRS 713-705-5897, Division Supervisor or Operations Section Chief if oiled/stressed wildlife is observed.					
Do not perform flushing operations on the shoreline without approval from Unified Command.					
<b>Special Site-Specific Safety Considerations</b>					
Report any safety related incidents to the Safety Officer Don Meche 337-230-1413. FRC is required past the checkpoint to the dock. Muster stations for the facility is located outside the front gate. Muster station for on water operations is located at the dock.					
<b>Additional Information</b>					
Contact Unified Command if access is needed for private property shorelines					
<b>ICS 204 - Assignment List</b>			Prepared By Pasquier, John, Updated 03/30/2016 18:34 GMT -6:00 PP		
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# Bayou Teche Incident Division A Overview Map March 30, 2016

Scale: 1:5,476



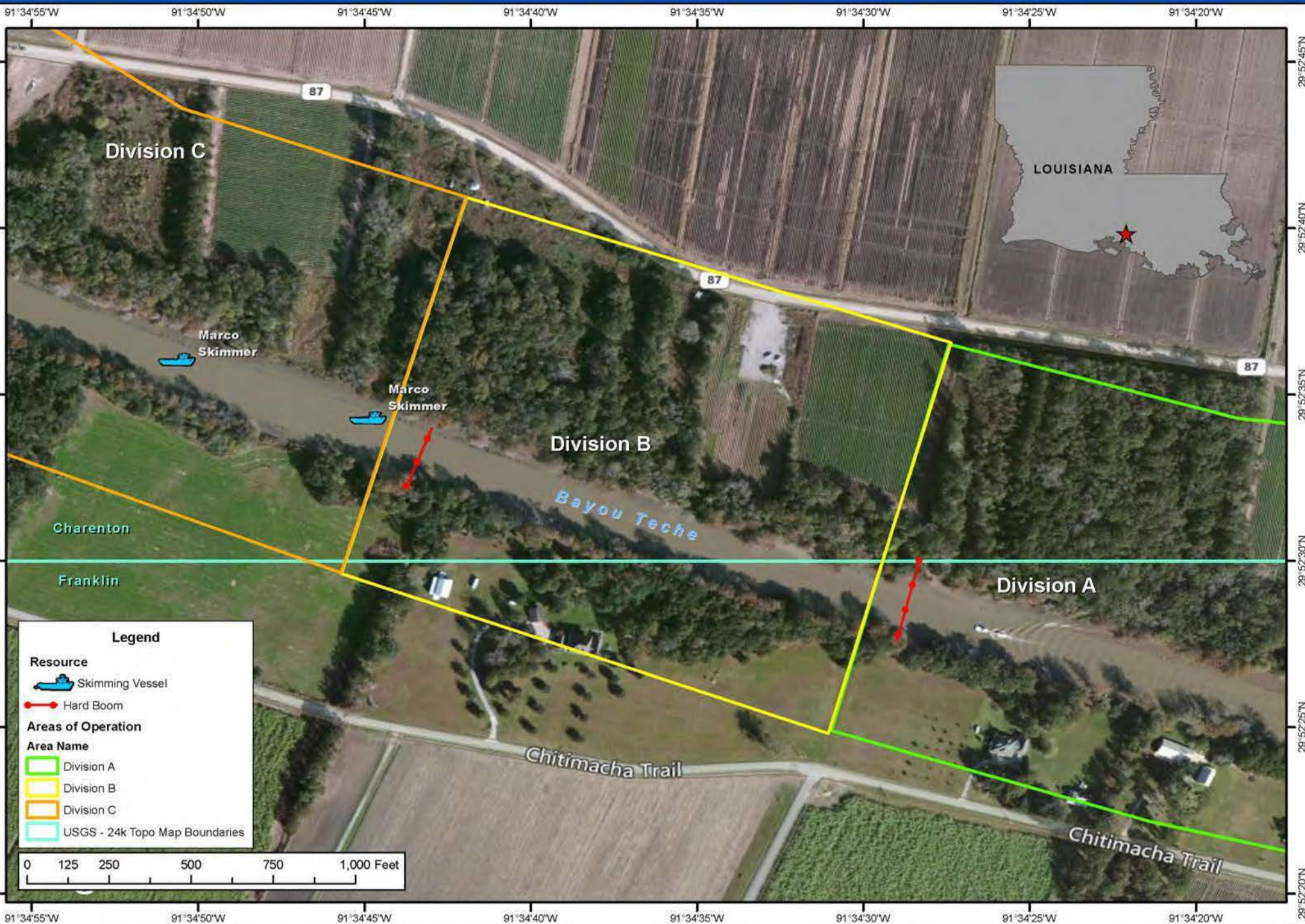


<b>ICS 204 - Assignment List</b>			Area Of Operation: Division B	
Incident Name: Bayou Teche Incident			Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]	
<b>Operations Personnel</b>				
<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Work Shift</b>
Operations Section Chief	Headley, Kirk	AMPOL	630-452-9910	
Recovery & Protection Branch Director	Breaux, Cory	AMPOL	337-319-0055	
Division B Supervisor	Broussard, Tim	AMPOL	504-319-7432	
<b>Resources Required</b>				
<b>Area Of Operation</b>	<b>Resource Kind</b>	<b>Description</b>	<b>Quantity</b>	<b>Size</b>
Division B	Skimmer	Drum Skimmer	2 each	
Division B	Vessel	Barge Boat	2 each	
Division B	Vessel	Marco Skimming Vessel	1 each	
Division B	Vessel	Response Boat w/ Flush Pump	4 each	
Division B	Manpower: Responder	Spill Technicians	8 each	
Division B	Manpower: Operator	Boat Operator	6 each	
Division B	Manpower: Supervisor	Manpower: Supervisor	1 each	
Division B	Boom	Hard Boom (18")	1100 feet	
<b>Assignments</b>				
Monitor & maintain integrity of deployed boom in Bayou Teche. Utilize a Marco Skimmer with wide swath boom, drum skimmers, & response boats with flush pumps to conduct flushing, skimming, & recovery efforts in Division B in free floating/oiled areas.				
<b>Communications</b>				
<b>Name / Function</b>		<b>Contact Details</b>		
Operations		22		
<b>Special Environmental Considerations</b>				
Do not attempt to retrieve oiled/stressed wildlife. Contact Rhonda Murgatroyd at WRS 713-705-5897, Division Supervisor or Operations Section Chief if oiled/stressed wildlife is observed.				
Do not perform flushing operations on the shoreline without approval from Unified Command.				
<b>Special Site-Specific Safety Considerations</b>				
Report any safety related incidents to the Safety Officer Don Meche 337-230-1413. FRC is required past the checkpoint to the dock. Muster stations for the facility is located outside the front gate. Muster station for on water operations is located at the dock.				
<b>Additional Information</b>				
Contact Unified Command if access is needed for private property shorelines				
<b>ICS 204 - Assignment List</b>			Prepared By Pasquier, John, Updated 03/30/2016 18:26 GMT -6:00 PP	
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# Bayou Teche Incident Division B Overview Map March 30, 2016

Scale: 1:4,500



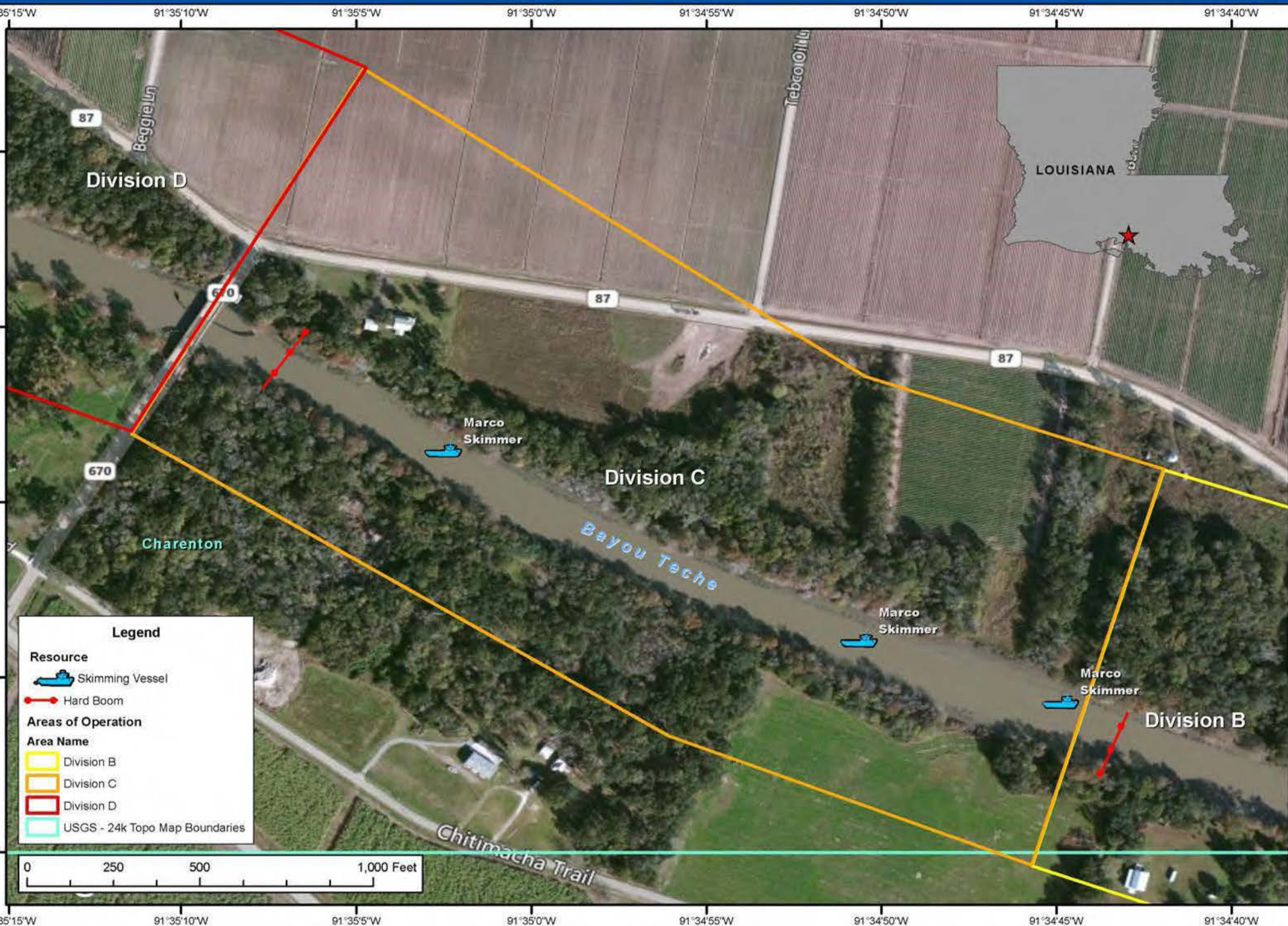
<b>ICS 204 - Assignment List</b>			Area Of Operation: Division C	
Incident Name: Bayou Teche Incident			Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]	
<b>Operations Personnel</b>				
<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Work Shift</b>
Operations Section Chief	Headley, Kirk	AMPOL	337-519-8071	
Recovery & Protection Branch Director	Breaux, Cory	AMPOL	337-319-0055	
Division C Supervisor	Allen, Jean	AMPOL	504-342-7393	
<b>Resources Required</b>				
<b>Area Of Operation</b>	<b>Resource Kind</b>	<b>Description</b>	<b>Quantity</b>	<b>Size</b>
Division C	Skimmer	Drum Skimmer	2 each	
Division C	Vessel	Barge Boat	3 each	
Division C	Vessel	Marco Skimming Vessel	2 each	
Division C	Vessel	Response Boat w/ Flush Pump	4 each	
Division C	Manpower: Responder	Spill Technicians	9 each	
Division C	Manpower: Operator	Boat Operator	8 each	
Division C	Manpower: Supervisor	Manpower: Supervisor	1 each	
Division C	Boom	Hard Boom (18")	1000 feet	
<b>Assignments</b>				
Monitor & maintain integrity of deployed boom in Bayou Teche. Utilize Marco Skimmers, drum skimmers, & Response boats with flush pumps to conduct flushing, skimming, & recovery efforts in Division C in free floating/oiled areas.				
<b>Communications</b>				
<b>Name / Function</b>		<b>Contact Details</b>		
Operations		22		
<b>Special Environmental Considerations</b>				
Do not attempt to retrieve oiled/stressed wildlife. Contact Rhonda Murgatroyd at WRS 713-705-5897, Division Supervisor or Operations Section Chief if oiled/stressed wildlife is observed.				
Do not perform flushing operations on the shoreline without approval from Unified Command.				
<b>Special Site-Specific Safety Considerations</b>				
Report any safety related incidents to the Safety Officer Don Meche 337-230-1413. FRC is required past the checkpoint to the dock. Muster stations for the facility is located outside the front gate. Muster station for on water operations is located at the dock.				
<b>Additional Information</b>				
Contact Unified Command if access is needed for private property shorelines				
<b>ICS 204 - Assignment List</b>			Prepared By Pasquier, John, Updated 03/30/2016 18:26 GMT -6:00 PP	
<b>INCIDENT ACTION PLAN SOFTWARE™</b>	Printed 03/30/2016 18:45 GMT -6:00		© TRG	





# Bayou Teche Incident Division C Overview Map March 30, 2016

Scale: 1:4,281



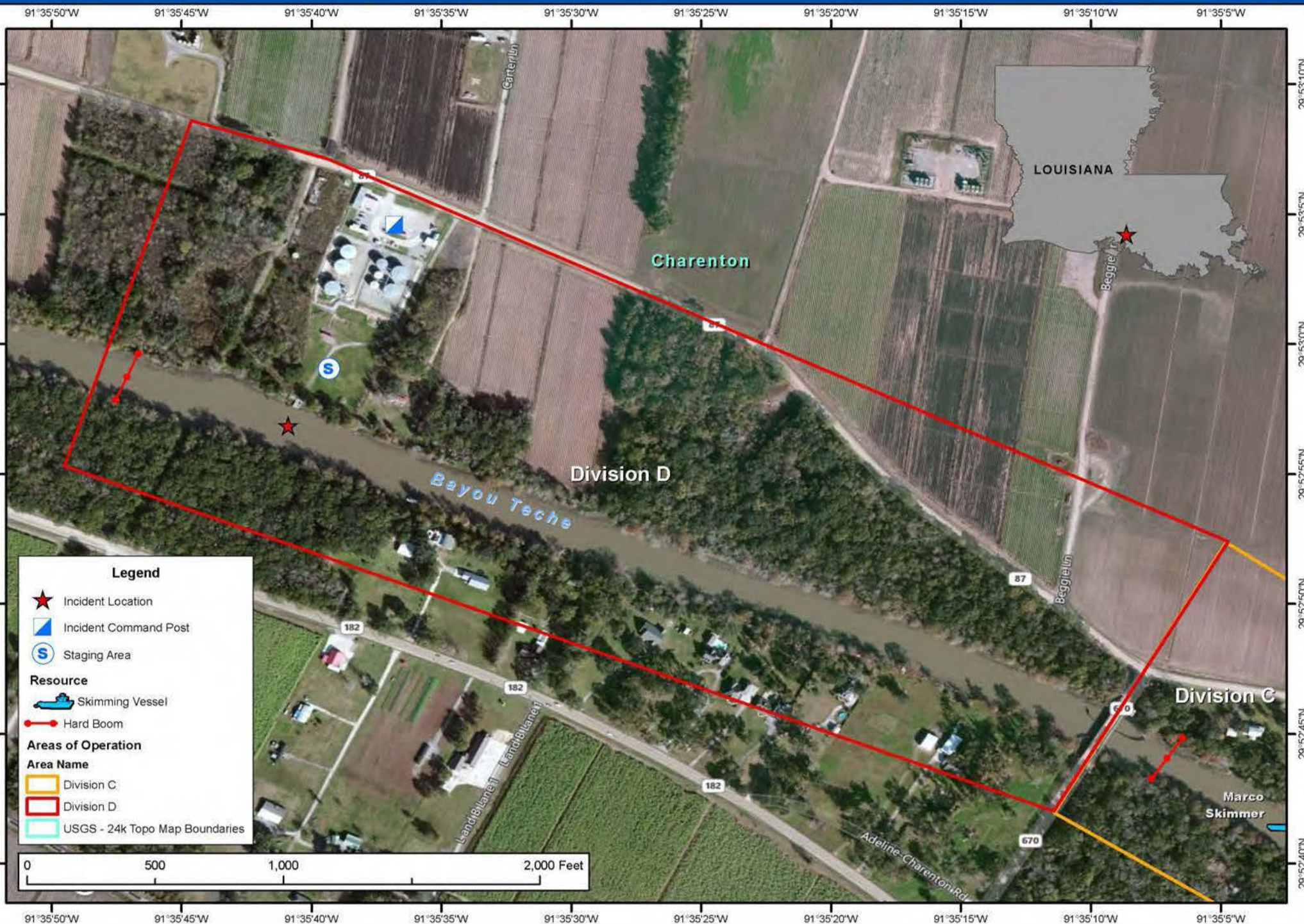
<b>ICS 204 - Assignment List</b>			Area Of Operation: Division D	
Incident Name: Bayou Teche Incident			Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]	
<b>Operations Personnel</b>				
<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Work Shift</b>
Operations Section Chief	Headley, Kirk	AMPOL	337-519-8071	
Recovery & Protection Branch Director	Breaux, Cory	AMPOL	337-319-0055	
Division D Supervisor	Donnelly, Rowdy	AMPOL	504-304-9650	
<b>Resources Required</b>				
<b>Area Of Operation</b>	<b>Resource Kind</b>	<b>Description</b>	<b>Quantity</b>	<b>Size</b>
Division D	Skimmer	Drum Skimmer	2 each	
Division D	Vessel	Barge Boat	1 each	
Division D	Vessel	Response Boat w/ Flush Pump	3 each	
Division D	Manpower: Responder	Spill Technicians	6 each	
Division D	Manpower: Operator	Boat Operator	4 each	
Division D	Manpower: Supervisor	Manpower: Supervisor	1 each	
Division D	Vacuum Truck	Vacuum Truck	3 each	
Division D	Boom	Hard Boom (18")	2300 feet	
<b>Assignments</b>				
Monitor & maintain integrity of deployed boom in Bayou Teche. Utilize vacuum trucks, drum skimmers, & pumps to conduct flushing, skimming, & recovery efforts in Division D in free floating/oiled areas.				
<b>Communications</b>				
<b>Name / Function</b>		<b>Contact Details</b>		
Operations		22		
<b>Special Environmental Considerations</b>				
Do not attempt to retrieve oiled/stressed wildlife. Contact Rhonda Murgatroyd at WRS 713-705-5897, Division Supervisor or Operations Section Chief if oiled/stressed wildlife is observed.				
Do not perform flushing operations on the shoreline without approval from Unified Command.				
<b>Special Site-Specific Safety Considerations</b>				
Report any safety related incidents to the Safety Officer Don Meche 337-230-1413. FRC is required past the checkpoint to the dock. Muster stations for the facility is located outside the front gate. Muster station for on water operations is located at the dock.				
<b>Additional Information</b>				
Contact Unified Command if access is needed for private property shorelines				
<b>ICS 204 - Assignment List</b>			Prepared By Pasquier, John, Updated 03/30/2016 18:22 GMT -6:00 PP	
<b>INCIDENT ACTION PLAN SOFTWARE™</b>	Printed 03/30/2016 18:45 GMT -6:00		© TRG	





# Bayou Teche Incident Division D Overview Map March 30, 2016

Scale: 1:5,762



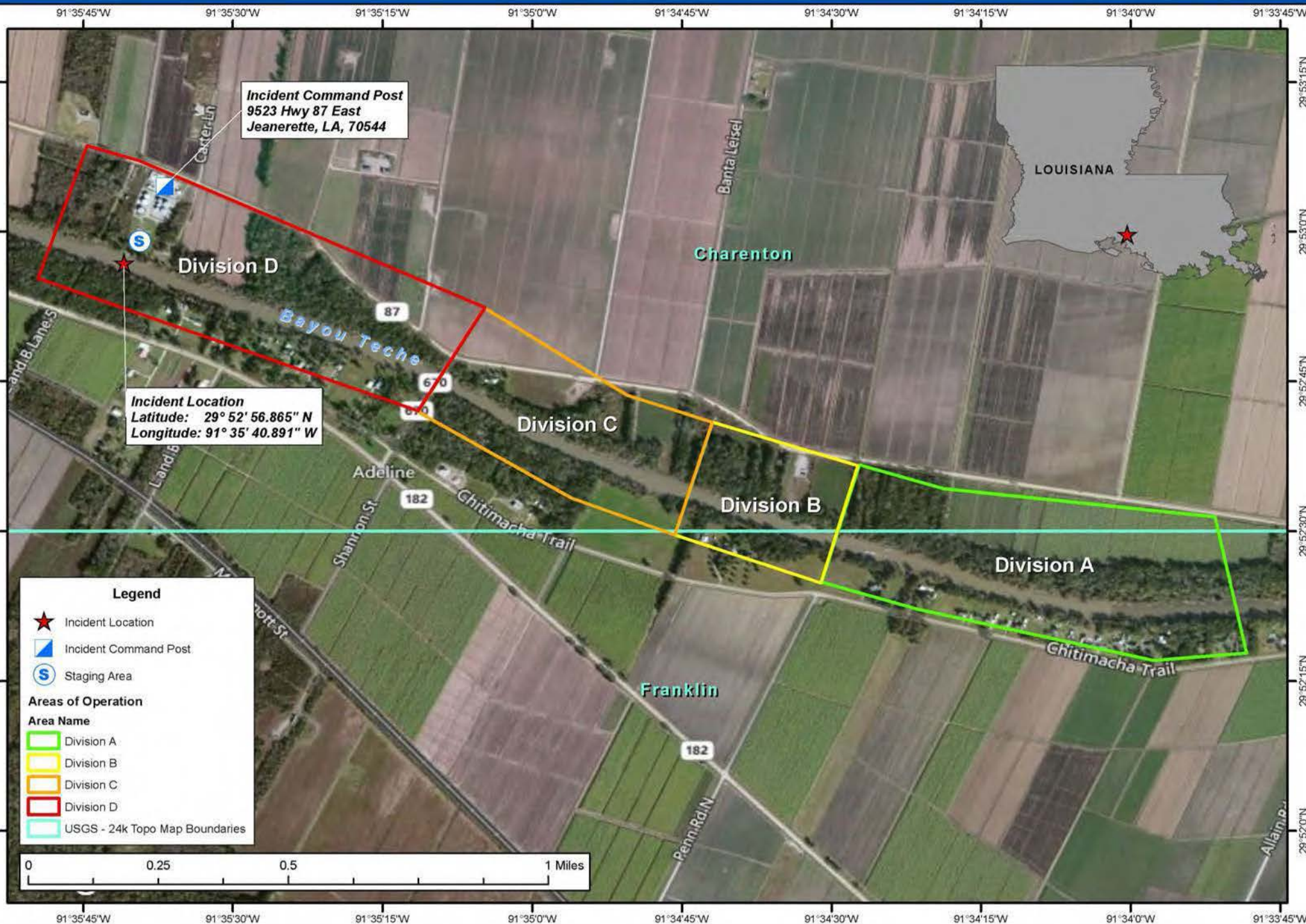


<b>ICS 204 - Assignment List</b>			Area Of Operation: Shoreline Cleanup Group	
Incident Name: Bayou Teche Incident			Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]	
<b>Operations Personnel</b>				
<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Work Shift</b>
Operations Section Chief	Headley, Kirk	AMPOL	337-519-8071	
Shoreline Cleanup Group Supervisor	Bourque, Delvin	AMPOL	337-519-6219	
<b>Resources Required</b>				
<b>Area Of Operation</b>	<b>Resource Kind</b>	<b>Description</b>	<b>Quantity</b>	<b>Size</b>
Shoreline Cleanup Group	Vessel	Response Boat w/ Flush Pump	10 each	
Shoreline Cleanup Group	Manpower: Responder	Spill Technicians	40 each	
Shoreline Cleanup Group	Manpower: Operator	Boat Operator	11 each	
Shoreline Cleanup Group	Manpower: Supervisor	Manpower: Supervisor	5 each	
Shoreline Cleanup Group	Sorbent: Boom	Sorbent: Boom	10000 feet	
Shoreline Cleanup Group	Manpower: Supervisor	Safety Officer	1 each	
Shoreline Cleanup Group	Storage: Solid	Roll Off Box	6 each	
Shoreline Cleanup Group	Vessel	Cabin Vessel	1 each	
<b>Assignments</b>				
Remove all oiled vegetation & debris as directed. Employ low pressure, high volume neutral water flushing. Implement skimming strategies and other recovery techniques to remove spilled product. Utilize sorbent material to collect remaining product as needed.				
<b>Special Equipment / Supplies Needed for Assignment</b>				
Hand Tools, Hip Waders				
<b>Special Environmental Considerations</b>				
Do not attempt to retrieve oiled/stressed wildlife. Contact Rhonda Murgatroyd at WRS 713-705-5897, Division Supervisor or Operations Section Chief if oiled/stressed wildlife is observed.				
Do not perform flushing operations on the shoreline without approval from Unified Command.				
<b>Special Site-Specific Safety Considerations</b>				
Report any safety related incidents to the Safety Officer Don Meche 337-230-1413. Be aware of biting insects and snakes along the vegetation/shoreline. Monitor work/rest cycles and utilizes safety boat for breaks. Monitor fatigue levels getting in and out of boats, walking thru water, and around shoreline characteristics. Stay hydrated due to high humidity and over exertion of the body				
<b>Additional Information</b>				
Contact Unified Command if access is needed for private property shorelines				
<b>ICS 204 - Assignment List</b>			Prepared By Tannehill, Lance, Updated 03/30/2016 18:19 GMT -6: PP	
<b>INCIDENT ACTION PLAN SOFTWARE™</b>	Printed 03/30/2016 18:45 GMT -6:00		© TRG	



# Bayou Teche Incident All Divisions Overview Map March 30, 2016

Scale: 1:15,000



<b>ICS 204 - Assignment List</b>			Area Of Operation: Security Group	
Incident Name: Bayou Teche Incident			Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]	
<b>Operations Personnel</b>				
<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Work Shift</b>
Operations Section Chief	Headley, Kirk	AMPOL	337-519-8071	
Security Group Supervisor	Carver, Laura	Louisiana Dept. of Wildlife and Fisheries	337-519-1754	
Security Group Supervisor	Anslum, Scott	St. Mary's Sheriff's Office	337-579-0363	
<b>Resources Required</b>				
<b>Area Of Operation</b>	<b>Resource Kind</b>	<b>Description</b>	<b>Quantity</b>	<b>Size</b>
Security Group	Manpower: Responder	Law Enforcement Officer	4 each	
Security Group	Vessel	Security Vessel	2 each	
<b>Assignments</b>				
Utilize on water security to maintain security zone. Implement badging protocols and restrict access to ICP, Staging Area, & the spill zone.				
<b>Special Site-Specific Safety Considerations</b>				
Report any safety related incidents to the Safety Officer Don Meche 337-230-1413. FRC is required past the checkpoint to the dock. Muster stations for the facility is located outside the front gate. Muster station for on water operations is located at the dock.				
<div></div>				
<b>ICS 204 - Assignment List</b>			Prepared By Tannehill, Lance, Updated 03/30/2016 17:33 GMT -6: PP	
<b>INCIDENT ACTION PLAN SOFTWARE™</b>	Printed 03/30/2016 17:39 GMT -6:00		© TRG	

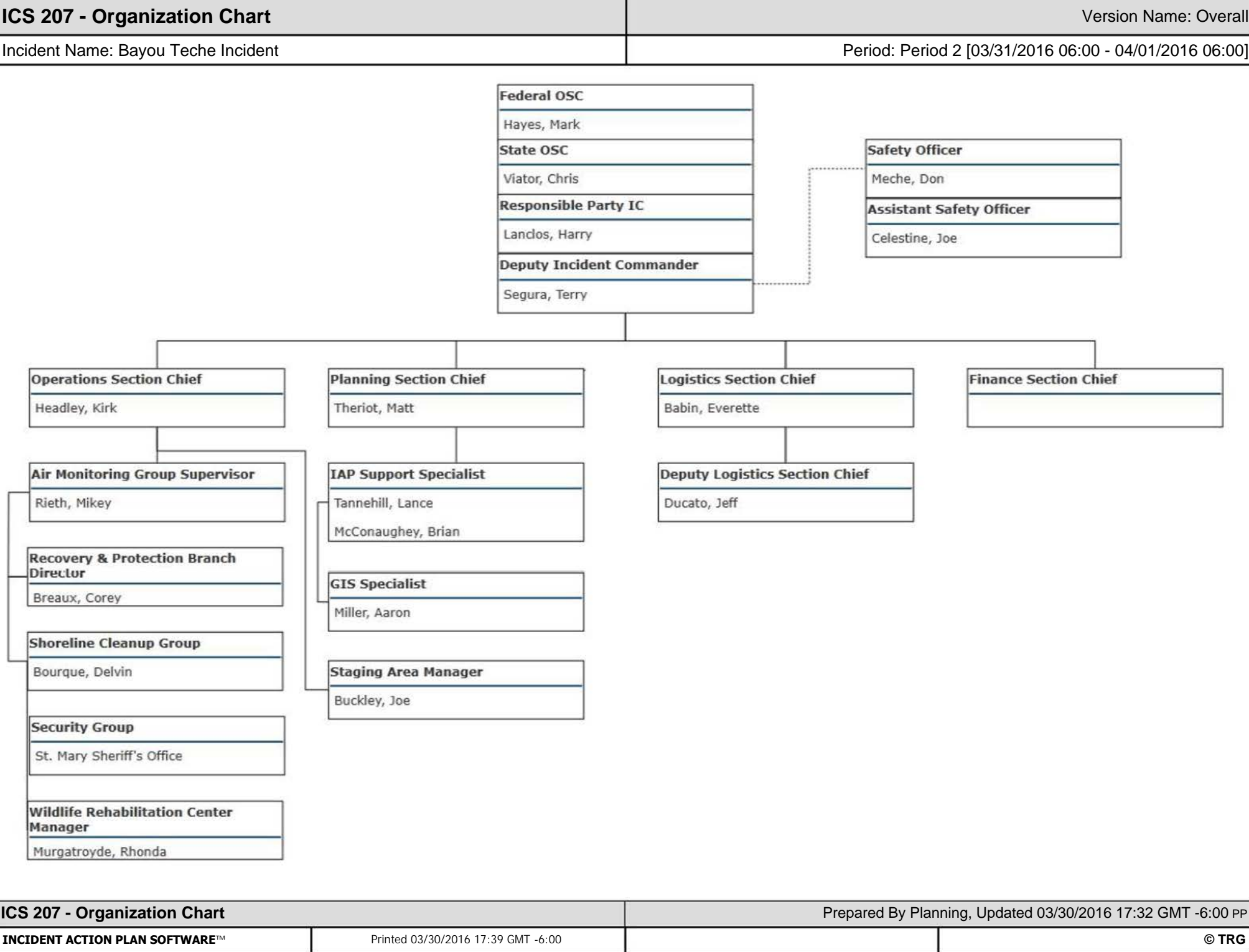


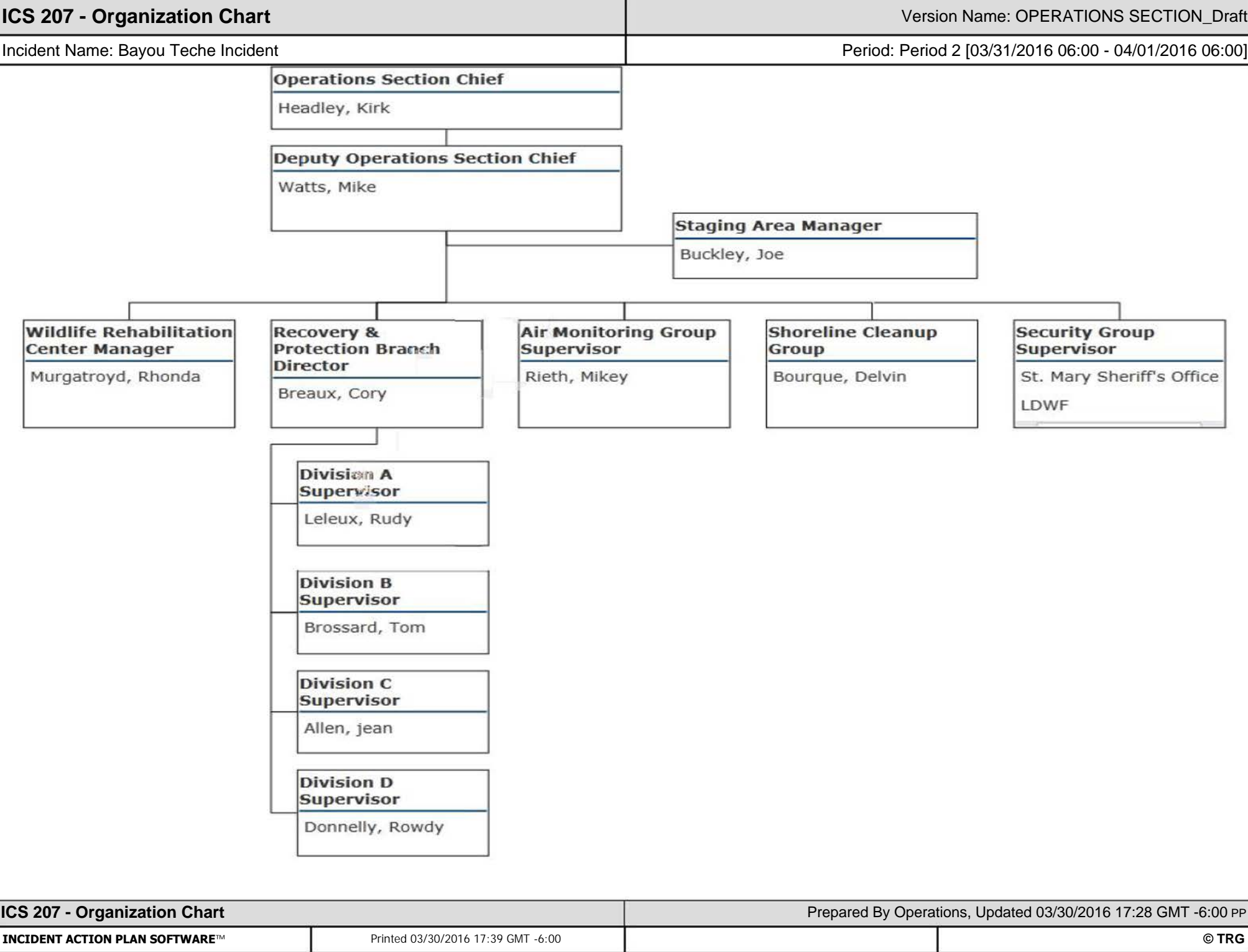
<b>ICS 204 - Assignment List</b>			Area Of Operation: Wildlife Rehabilitation Center	
Incident Name: Bayou Teche Incident			Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]	
<b>Operations Personnel</b>				
<b>Position</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact Number(s)</b>	<b>Work Shift</b>
Operations Section Chief	Headley, Kirk	AMPOL	337-519-8071	
Wildlife Rehabilitation Center Leader	Murgatroyde, Rhonda	Wildlife Response Services LLC	713-705-5897	
<b>Resources Required</b>				
<b>Area Of Operation</b>	<b>Resource Kind</b>	<b>Description</b>	<b>Quantity</b>	<b>Size</b>
Wildlife Rehabilitation Center	Vessel	WL Recovery Vessel	2 each	
Wildlife Rehabilitation Center	Manpower: Responder	WL Rehab Personnel	2 each	
Wildlife Rehabilitation Center	Manpower: Responder	WL Recovery Personnel	8 each	
Wildlife Rehabilitation Center	Facilities	WL Rehab Facility	1 each	
<b>Assignments</b>				
LDWF will be responsible for capturing all impacted wildlife and transporting them to wildlife rehabilitation area as necessary.				
<b>Special Environmental Considerations</b>				
Do not attempt to retrieve oiled/stressed wildlife. Contact Rhonda Murgatroyd at WRS 713-705-5897, Division Supervisor or Operations Section Chief if oiled/stressed wildlife is observed.				
<b>Special Site-Specific Safety Considerations</b>				
<p>Report any safety related incidents to the Safety Officer Don Meche 337-230-1413.</p> <p>Be aware of biting insects and snakes along the vegetation/shoreline.</p> <p>Monitor work/rest cycles and utilizes safety boat for breaks.</p> <p>Monitor fatigue levels getting in and out of boats, walking thru water, and around shoreline characteristics.</p> <p>Stay hydrated due to high humidity and over exertion of the</p> <p>FRC is required past the checkpoint to the dock.</p> <p>Muster stations for the facility is located outside the front gate.</p> <p>Muster station for on water operations is located at the dock.</p>				
<b>Additional Information</b>				
Contact Unified Command if access is needed for private property shorelines				
<b>ICS 204 - Assignment List</b>			Prepared By Tannehill, Lance, Updated 03/30/2016 18:23 GMT -6: PP	
<b>INCIDENT ACTION PLAN SOFTWARE™</b>	Printed 03/30/2016 18:24 GMT -6:00		© TRG	

ICS 205 - Radio Communications					Version Name: Communications Plan				
Incident Name: Bayou Teche Incident					Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]				
Radio Channel Information									
Ch #	Function	Channel Name/ Trunked Radio System Talkgroup	Assignment	Rx Freq N or W	Rx Tone/NAC	Tx Freq N or W	Tx Tone/NAC	Mode (A, D, or M)	Remarks
22	Operations	Operations	Staging Area - PSC Dock Division A Division B Division C Division D						
Special Radio Instructions									
Use cell phone communication until radios are available for responders.									
ICS 205 - Radio Communications					Prepared By Operations, Updated 03/30/2016 13:42 GMT -6:00 PP				
INCIDENT ACTION PLAN SOFTWARE™			Printed 03/30/2016 17:39 GMT -6:00					© TRG	

<b>ICS 206 - Medical Plan</b>				Version Name: 03/29/2016 18:21:03				
Incident Name: Bayou Teche Incident				Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]				
<b>Medical Aid Stations</b>								
<i>Name</i>	<i>Location</i>	<i>Paramedic On Site</i>	<i>Phone</i>	<i>Radio</i>				
Acadian Ambulance	-91.59474 29.88252	<input checked="" type="checkbox"/>	Ph1: 911					
<b>Transportation (Ground and/or Air Ambulance Services)</b>								
<i>Ambulance Service</i>	<i>Location</i>	<i>Phone</i>	<i>Radio</i>	<i>Air</i>	<i>ALS</i>			
A ACLS Advanced Air Ambulance - Lafayette	Lafayette	Ph1: (800) 633-3590		<input checked="" type="checkbox"/>	<input type="checkbox"/>			
<b>Hospitals</b>								
<i>Hospital</i>	<i>Location</i>	<i>Phone</i>	<i>Radio</i>	<i>Air Travel Time</i>	<i>Ground Travel Time</i>	<i>Trauma Center</i>	<i>Helipad</i>	<i>Burn Center</i>
Franklin Foundation Hospital	1097 Northwest Blvd Franklin, LA 70538 -91.525 29.8021	Ph1: 337-828-0760		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
Iberia General Hospital And Medical Center	2315 E Main Street New Iberia, LA 70562 -91.7846 29.9885	Ph1: 337-364-0441		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
Iberia Rehabilitation Hospital	532 Jefferson Terrace Street New Iberia, LA 70560 -91.8071 29.9899	Ph1: 337-364-6923		min	min		<input type="checkbox"/>	<input type="checkbox"/>
Dauterive Hospital	600 North Lewis Street New Iberia, LA 70563 -91.7955 30.0078	Ph1: 337-365-7311		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
<b>Special Medical Emergency Procedures</b>								
<b>ICS 206 - Medical Plan</b>				Prepared By Logistics, Updated 03/29/2016 23:09 GMT -6:00 PP				
<b>INCIDENT ACTION PLAN SOFTWARE™</b>		Printed 03/30/2016 17:39 GMT -6:00					© TRG	







<b>ICS 208 - Site Safety Plan</b>					Version Name: 20160331 Period 2				
Incident Name: Bayou Teche Incident					Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]				
Applies to Site: Incident Location									
<b>Site Characterization</b>									
<b>Water</b>			<b>Land</b>			<b>Weather</b>			
<b>Wave Height</b>			<b>Land Use</b>			<b>Air Temp</b>		77.00 F	
<b>Speed</b>						<b>Wind Speed</b>		24.00 MPH	
<b>Direction</b>						<b>Direction</b>		SSE	
<b>Site Hazards</b>									
<b>Yes</b>	<b>No</b>	<b>Hazards</b>	<b>Yes</b>	<b>No</b>	<b>Hazards</b>	<b>Yes</b>	<b>No</b>	<b>Hazards</b>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boat Safety	<input type="checkbox"/>	<input type="checkbox"/>	Fire, Explosion, In-situ Burning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pump Hose	
<input type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Slips, Trips, and Falls	
<input type="checkbox"/>	<input type="checkbox"/>	Cold Stress	<input type="checkbox"/>	<input type="checkbox"/>	Helicopter Operations	<input type="checkbox"/>	<input type="checkbox"/>	Steam and Hot Water	
<input type="checkbox"/>	<input type="checkbox"/>	Confined Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lifting	<input type="checkbox"/>	<input type="checkbox"/>	Trenching/Excavation	
<input type="checkbox"/>	<input type="checkbox"/>	Drum Handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Motor Vehicles	<input type="checkbox"/>	<input type="checkbox"/>	UV Radiation	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input type="checkbox"/>	<input type="checkbox"/>	Visibility	
<input type="checkbox"/>	<input type="checkbox"/>	Electrical Operations	<input type="checkbox"/>	<input type="checkbox"/>	Overhead/Buried Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Weather	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plants/Wildlife	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Work Near Water	
<b>Air Monitoring Limits</b>									
Oxygen Level			Hydrogen Sulfide			Total Hydrocarbons			
LEL			Benzene						
<b>Engineering Controls</b>									
<input checked="" type="checkbox"/>	Source of release secured		<input type="checkbox"/>	Valve(s) closed		<input type="checkbox"/>	Energy sources locked/tagged out		
<input checked="" type="checkbox"/>	Site secured		<input type="checkbox"/>	Facility shut down					
<b>Personal Protective Equipment Required</b>									
<input type="checkbox"/>	Impervious suit		<input checked="" type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Eye protection		
<input type="checkbox"/>	Inner gloves		<input checked="" type="checkbox"/>	Hard hats		<input checked="" type="checkbox"/>	Personal flotation		
<input checked="" type="checkbox"/>	Outer gloves		<input type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Boots		
<b>Additional Control Measures Established</b>									
<input checked="" type="checkbox"/>	Decontamination		<input type="checkbox"/>	Illumination		<input type="checkbox"/>	Additional stations established		
<input type="checkbox"/>	Sanitation		<input type="checkbox"/>	Medical surveillance		<input type="checkbox"/>	Facilities provided		
<b>Work Plan</b>									
<input checked="" type="checkbox"/>	Booming		<input checked="" type="checkbox"/>	Excavation		<input type="checkbox"/>	Hot work		
<input checked="" type="checkbox"/>	Skimming		<input type="checkbox"/>	Heavy equipment		<input type="checkbox"/>	Appropriate permits used		
<input checked="" type="checkbox"/>	Vac trucks		<input checked="" type="checkbox"/>	Sorbent pads					
<input checked="" type="checkbox"/>	Pumping		<input type="checkbox"/>	Patching					
<b>Training</b>									
<input type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements				<b>Training Requirements</b>	HAZWOPER			
<b>Organization</b>									
<i>Position</i>	<i>Name</i>	<i>Telephone/Radio</i>	<i>Position</i>	<i>Name</i>	<i>Telephone/Radio</i>				
Federal OSC	Hayes, Mark		Deputy Incident Commander	Segura, Terry					
State OSC	Viator, Chris		Safety Officer	Meche, Don					
<b>ICS 208 - Site Safety Plan</b>					Prepared By Safety, Updated 03/30/2016 13:43 GMT -6:00 PP				
<b>INCIDENT ACTION PLAN SOFTWARE™</b>		Printed 03/30/2016 17:39 GMT -6:00					© TRG		




<b>ICS 208 - Site Safety Plan</b>				Version Name: 20160331 Period 2			
Incident Name: Bayou Teche Incident				Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]			
Incident Commander		Lanclos, Harry		713-817-9726		Operations Section Chief	
						Headley, Kirk	
<b>Emergency Plan</b>							
<input type="checkbox"/>	Fire Prevention Plan		<input checked="" type="checkbox"/>	Evacuation Plan			
<input type="checkbox"/>	Alarm System		<input checked="" type="checkbox"/>	First Aid Location			
<b>Notifications</b>							
<i>Facility</i>			<i>Phone</i>		<i>Facility</i>		
<input type="checkbox"/>	<b>Hospital</b>				<input type="checkbox"/>	<b>Fire</b>	
<input type="checkbox"/>	<b>Ambulance</b>				<input type="checkbox"/>	<b>Law Enforcement</b>	
<input type="checkbox"/>	<b>Air Ambulance</b>				<input type="checkbox"/>	<b>Emergency Response/Rescue</b>	
<b>Initial Briefing</b>							
<input checked="" type="checkbox"/>	Initial safety briefing prepared for each site						
<b>Attachments/Appendices</b>							
<b>Attachment</b>				<b>Filename</b>			
Site Safety Plan.pdf				Site Safety Plan.pdf			
SDS Sheet.pdf				SDS Sheet.pdf			
CTEH- HASP				108007_Jeanerette_LA_CrudeOil_HASP_v1.0.docx			
<b>ICS 208 - Site Safety Plan</b>				Prepared By Safety, Updated 03/30/2016 13:43 GMT -6:00 PP			
<b>INCIDENT ACTION PLAN SOFTWARE™</b>		Printed 03/30/2016 17:39 GMT -6:00				© TRG	

# SITE SPECIFIC HEALTH & SAFETY PLAN

JOB #: 10/01

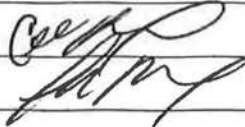
**USE:** THIS PLAN MUST BE ON SITE AT ALL TIMES - REVIEWED AND SIGNED BY EVERYONE WHO ENTERS THE WORK AREA. NO CHANGES ARE TO BE MADE TO THIS PLAN WITHOUT THE APPROVAL OF THE SITE MANAGER AND THE SAFETY OFFICER.

**A. SITE INFORMATION:**

1. SITE NAME: <i>PSC</i>		
2. ADDRESS/LOCATION:		
3. DATE PLAN PREPARED: <i>3-28-16</i>		
EXPIRES:		
4. PREPARED BY: <i>C. BRADY</i>		
TITLE: <i>SUPERVISOR</i>		
5. MAJOR HAZARD(S):		
6. WEATHER CONDITIONS: 		
TEMP: <i>62°</i>	WIND: <i>NE 4MPH</i>	HUMIDITY: <i>98%</i>
7. TOPOGRAPHY:		

**B. ON-SITE ORGANIZATION:**

THE FOLLOWING PERSONNEL ARE ASSIGNED TO CARRY OUT THE JOB AND THE FUNCTIONS OF THAT JOB. NO CHANGES ARE TO BE MADE WITHOUT THE APPROVAL OF THE PROJECT MANAGER AND NOTED BY THE SAFETY OFFICER ON THIS PLAN.

PRINT NAME	SIGNATURE	DATE
PROJECT MANAGER		
OPERATIONS MANAGER		
HUMAN RESOURCES		
SITE SAFETY OFFICER		<i>3-28-16</i>
SITE SUPERVISOR		<i>3-28-16</i>
SITE SUPERVISOR		



FEDERAL ON-SCENE COORDINATOR		
STATE ON-SCENE COORDINATOR		
CLIENT REPRESENTATIVE (INITIAL REVIEW)		
CLIENT REPRESENTATIVE (UPON COMPLETION)		
TEAM LEADER		
TEAM LEADER		

### CREW MEMBERS

PRINT NAME	SIGNATURE	DATE
1. Corey Breaux		3-28-16
2. MAT Theriot		3-28-16
3. Jean Allen		3-28-16
4. Woody Lebeux		3-28-16
5. Albert Prejean		3-28-16
6. James Bryant		3-28-16
7. Brandon McAlister		3-28-16
8. Ryan Decuir		3-28-16
9. Cortlan Harrison		3-28-16
10. Rowdy Kennedy		3-28-16
11. Joseph Celestine		3-28-16
12. Jonathan Cole		3-28-16
13. Kenneth Smith		3-28-16
14. John Carnevale		3-29-16
15. Derek Neville		3-29-16
16. LAMONT Wiltz		3-29-16
17. Jade Viator		3-29-16
18. Ashton Landry		3-29-16
19. Colleen Thompson		3-29-16
20. Lorna Skinner		3-29-16
21. Robert Wade		3-29-16

Correll Collins  
 ERICK LEDET  
 Darrell Bowie  
 Lorna Skinner

Correll Collins  
 Erick Ledet  
 Darrell Bowie  
 Lorna Skinner

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D. Litch

DaJean Poll  
~~Rich Litch~~

Ya

Bird

Jully Pollin

L. B.

Don Mueh

3/29/16

3-29-16

3/29/16

3/29/16

3/29/16

3/29/16

3/29/16

22.		
23.		

(USE BACK OF PAGE FOR ADDITIONAL SIGNATURES)

**C. ON SITE AND CONTROL:**

1. ~~PSC~~ PSC IS THE "ON SITE SECURITY COORDINATOR". ALL QUESTIONS OR CONCERNS WILL BE DIRECTED TO HIM/HER.

2. "NO UNAUTHORIZED PERSON OR PERSONS ARE ALLOWED ON SITE. SECURITY IS THE RESPONSIBILITY OF ALL PERSONNEL. REPORT ANY SECURITY VIOLATIONS IMMEDIATELY.

3. AFTER HOURS SECURITY WILL BE PROVIDED BY: PSC

CONTACT PERSON:

PHONE #:

4. THE AFTER HOURS SECURITY DETAIL WILL START AT: \_\_\_\_\_ HOURS AND END AT \_\_\_\_\_ HOURS.

5. AS PART OF THIS PLAN, THE LOCAL LAW ENFORCEMENT AGENCY THAT HAS JURISDICTION MUST BE CONTACTED PRIOR TO THE BEGINNING OF OPERATIONS.

NAME OF AGENCY: ST. MARX SHERIFFS OFFICE

PERSON CONTACTED:

NON-EMERGENCY PHONE #: (337) 828-1960

EMERGENCY PHONE #: (    ) 911 OR LOCAL 9-1-1



**D. SITE CONTINGENCY/ EMERGENCY MEDICAL CARE:**

1. ALL INJURIES WILL BE REPORTED TO THE SAFETY OFFICER. INJURIES WILL BE ASSESSED AND THE NATURE OF THE INJURY WILL DETERMINE THE COURSE OF ACTION TO BE TAKEN.

2. FIRST AID EQUIPMENT AND SUPPLIES FOR MINOR INJURIES ARE ON SITE.

A. FIRST AID KIT: Trailer  
B. EMERGENCY EYE WASH: Trailer  
C. EMERGENCY SHOWER: Trailer

3. THE CLOSEST MINOR EMERGENCY FACILITY OR DOCTOR'S OFFICE IS LOCATED.

NAME: Teche Occupational Medicine  
STREET: 510 Jefferson Terrace  
CITY: New Iberia STATE: LA ZIP: 70560  
CONTACT PERSON: \_\_\_\_\_ PHONE #: (337) 560-0931  
THIS MEDICAL FACILITY IS 22 MILE(S) FROM THE WORK SITE.  
DRIVE TIME IS APPROXIMATELY 15 MINUTES.  
THIS FACILITY WAS CONTACTED PRIOR TO OPERATIONS BEGINNING. YES NO (CIRCLE ONE)  
A MAP WITH DIRECTIONS IS AT THE FOLLOWING LOCATION. Trailer

4. EMERGENCY MEDICAL SERVICES (EMS) ARE PROVIDED BY:

NAME: Aladian Ambulance  
STREET: \_\_\_\_\_  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

EMERGENCY PHONE #: ( ) 911 OR LOCAL 9-1-1

SERVICES PROVIDED: (ALS) ADVANCED LIFE SUPPORT (CIRCLE ONE): YES NO

(BLS) BASIC LIFE SUPPORT (CIRCLE ONE): YES NO

EMT FIRST AID BY EMERGENCY MEDICAL TECHNICIANS: (CIRCLE ONE): YES NO

EMERGENCY GROUND TRANSPORTATION (CIRCLE ONE) WILL WILL NOT BE PROVIDED BY THIS ORGANIZATION.

**5. INFORMATION FOR EMERGENCY TRANSPORT IF NOT AVAILABLE BY EMS. (LISTED IN ITEM 4 ABOVE)**

NAME: ACA

STREET: N 1A

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_ PHONE #: ( ) \_\_\_\_\_

ESTIMATED RESPONSE TIME AFTER NOTIFICATION IS \_\_\_\_\_ MINUTES.

ESTIMATED TIME FROM SITE TO CLOSEST MEDICAL FACILITY IS \_\_\_\_\_ MINUTES.

**6. THE CLOSEST LEVEL 1 TRAUMA CENTER IS LOCATED AT:**

NAME: University Medical Center

STREET: 2000 Canal ST

CITY: New Orleans STATE: LA ZIP: 70112

THIS FACILITY IS 11.8 MILES FROM THE WORK SITE.

GROUND TRANSPORTATION IS 1 HOUR(S) 56 MINUTES.

IS AIR TRANSPORTATION AVAILABLE IN THIS AREA? (CIRCLE ONE) YES NO

FLIGHT TIME TO THIS FACILITY FROM TIME OF NOTIFICATION IS 45 ~~HOURS~~ minutes

**MINUTES.**

## NOTES

**E. ENTRY OBJECTIVES:**

1. THE PURPOSE OF ENTERING THIS WORKSITE IS: Clean oil spill
2. DAILY GOALS AND TASKS WILL BE SET AT THE MORNING MEETING.
3. OBJECTIVES WILL BE DISCUSSED AT THIS TIME.
4. THE WORK DAY WILL CLOSE WITH A DEBRIEFING AND CRITIQUE OF THE DAY'S ACTIVITIES.

**F. SAFETY HAZARDS:**

HAZARD	PREVENTATIVE MEASURES
1. Night OPS	Use Flashlights, BOAT Lights, Truck Light;
2. Falling in water	wear PFD
3. Slippery conditions	move slowly, watch footing



4.	
5.	

DURING INCLEMENT WEATHER ALL WARNINGS BY THE NATIONAL WEATHER SERVICE WILL BE MONITORED UNTIL THE WARNINGS HAVE EXPIRED

**G. PERSONAL PROTECTIVE EQUIPMENT (PPE):**

1. LEVEL-A	FULLY ENCAPSULATED SUIT / SUPPLIED AIR SCBA
2. LEVEL-B	COVERALLS (TYVEK)/ SUPPLIED AIR/GLOVES/SAFETY BOOTS
3. LEVEL-C	COVERALLS/RESPIRATOR/GLOVES/SAFETY BOOTS/HARD HAT
4. LEVEL-D	WORK UNIFORMS/HARD HAT/SAFETY BOOTS/GLOVES/SAFETY GLASSES

**NOTE:**

- IF THERE IS A POSSIBILITY OF FLAMMABLE VAPORS IN THE AREA, FIRE RETARDANT CLOTHING (FRC) WILL BE USED.
- IF ENTRY TEAM IS IN Level-A or B PPE A RAPID INTERVENTION TEAM (RIT) WILL BE ON STAND-BY AT ALL TIMES. THE Two-In/Two-Out RULE WILL APPLY.

**NOTES**

Poly Coated Tyvek
Nitrile Gloves
Hard Hat
Safety Glasses
PFD


**WORK PLAN:**

PROJECT NAME: <i>PSC</i>	JOB#: <i>10101</i>
PREPARED BY: <i>CBNAUX</i>	DATE: <i>3-28-16</i>
DATE EMPLOYEES BRIEFED: <i>3-28-16</i>	TIME: <i>22:00</i>

WORK TO BE DONE THIS PERIOD IS FOR: (CIRCLE ONE) HALF DAY / FULL DAY / WEEK

**Task 1:**

Equipment to be used: <i>Drum skimmer</i>
Risk Analysis: <i>Falling in water, BACKSTRAINS, STF</i>
Specific Location: <i>BY Ditch BACK of Tuck Farm</i>

**Task 2:**

Equipment to be used: <i>Containment Boom</i>
Risk Analysis: <i>CUTS SCRAPES, Falling in water, BACKSTRAINS STF, SLIPPERY CONDITIONS</i>
Specific Location: <i>Bridge, Loading dock</i>
Task Force Leader for Task 1: <i>CBNAUX</i>

Task Force Leader for Task 2:

**Task 3:**

Equipment to be used:

*VAL TRUCK*

Risk Analysis:

*STF, BACKSTRAIN, STRUCK BY,*

Specific Location:

*LOADING DOCK*

**Task 4:**

Equipment to be used:

Risk Analysis:

Specific Location:

Task Force Leader for Task 3:

Task Force Leader for Task 4:

(ADDITIONAL WORK, PLAIN SHEETS MAY BE ATTACHED TO THIS DOCUMENT)

**H. COMMUNICATION PROCEDURES:**

1. RADIOS (CIRCLE ONE) WILL WILL NOT BE USED.



2. THE FOLLOWING STANDARD HAND SIGNALS WILL BE USED IN THE EVENT OTHER FORMS OF COMMUNICATIONS FAIL.

HAND GRIPPING THROAT	OUT OF AIR
GRIP PARTNER'S WRIST	LEAVE AREA IMMEDIATELY
HANDS ON TOP OF HEAD	NEED ASSISTANCE
THUMBS UP	OK, I AM ALRIGHT, I UNDERSTAND
THUMBS DOWN	NO, NEGATIVE

## I. DECONTAMINATION:

1. DECON WILL BE ESTABLISHED WHEN IT IS DETERMINED THAT HAZARDOUS PRODUCTS ARE PRESENT.
2. GROSS DECON PROCEDURES WILL BE USED IN THE EVENT OF AN EMERGENCY. EVERY ATTEMPT WILL BE MADE TO CONTAIN RUN-OFF, UNLESS THIS WILL POSE AN UNREASONABLE RISK TO WORKERS.
3. IF DECONTAMINATION IS TO BE PART OF THIS OPERATION, A SEPARATE DECON-PLAN WILL BE ATTACHED ALONG WITH SUPPORTING DOCUMENTS. (SUCH AS: MSDS, SHIPPING PAPERS OR MANUFACTURER PRODUCT INFORMATION.

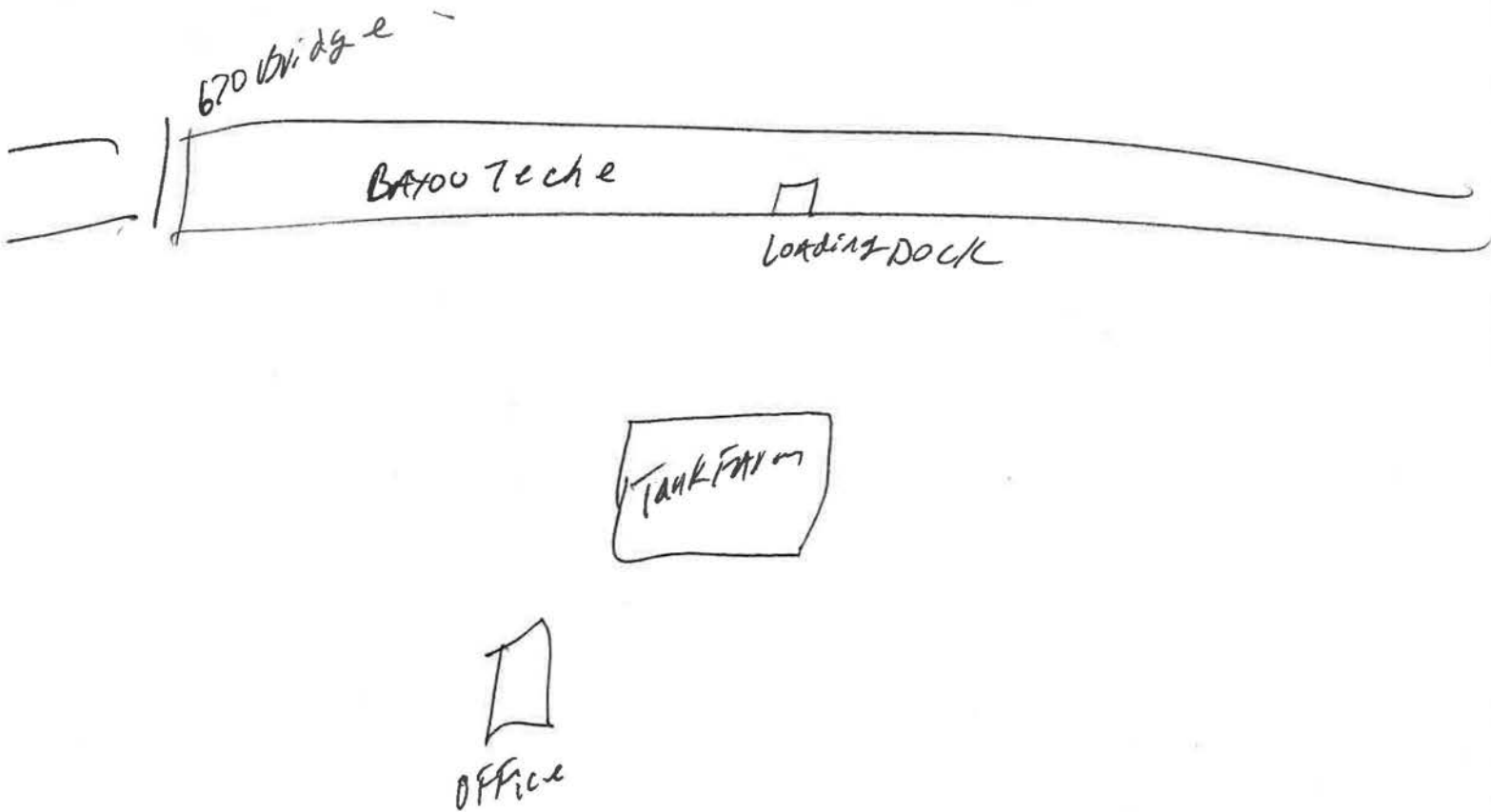
## J. EVACUATION PLAN:

1. A SAFE AREA HAS BEEN SELECTED 5' OF THE WORK AREA 300 FEET AWAY.
2. AN ASSEMBLY POINT IS LOCATED 200 FEET AWAY FROM THE WORK AREA. THE CLOSEST LANDMARK IS Tank Farm.
3. A SAFE BUILDING IS LOCATED AT Office Trailer.
4. IF NO BUILDING IS AVAILABLE, USE VEHICLES, TERRAIN, OR NATURAL BARRIERS FOR PROTECTION.
5. A HEAD COUNT WILL BE PERFORMED AT EACH ASSEMBLY AREA AND WILL BE REPORTED TO STAFF.

## K. SITE MAP:

1. THE FOLLOWING PAGE WILL BE A SITE SPECIFIC MAP OF THE AREA. (NOT TO SCALE)
2. FEATURES TO BE SHOWN BUT NOT LIMITED TO:
  - WORK AREA
  - BREAK AREA
  - EXCLUSION AREA / HOT ZONE
  - CONTAMINATION REDUCTION ZONE / WARM ZONE
  - ASSEMBLY POINTS / SAFE HAVEN

SITE MAP SHOWING ITEMS IN SECTION "K"



## L. HEALTH HAZARD EVALUATION:

THE FOLLOWING SUBSTANCE(S) ARE KNOWN TO BE ON SITE. ALL SUSPECTED HAZARDS HAVE BEEN ELIMINATED. ANY PRODUCT OR SUBSTANCE THAT POSES AN UNREASONABLE RISK TO THE WORKERS, GENERAL PUBLIC OR THE ENVIRONMENT MUST BE STABILIZED, CONTROLLED OR ELIMINATED BEFORE WORK CAN BEGIN. (ADDITIONAL SHEETS MAY BE USED).

CHEMICAL INFORMATION	
CHEMICAL 1	CHEMICAL 2
CHEMICAL NAME:	CHEMICAL NAME:
TRADE NAME:	TRADE NAME:
FLASH POINT:	FLASH POINT:
LEL:	LEL:
UEL:	UEL:
SPECIFIC GRAVITY:	SPECIFIC GRAVITY:
VAPOR DENSITY:	VAPOR DENSITY:
VAPOR PRESSURE:	VAPOR PRESSURE:
OTL:	OTL:
SOLUBLE IN:	SOLUBLE IN:
REACTS WITH:	REACTS WITH:
Ph #:	Ph #:

CHEMICAL 1
SPECIAL CONSIDERATIONS:

<b>CHEMICAL 3</b>
<b>SPECIAL CONSIDERATIONS:</b>

<b>CHEMICAL 4</b>
<b>SPECIAL CONSIDERATIONS:</b>

<b>M. JOURNEY MANAGEMENT PLAN:</b>
------------------------------------

THE FOLLOWING ASSESMENT NEEDS TO BE CONDUCTED BEFORE MAKING THE JOURNEY.		
1. Is this a Spill Related Emergency, Potential Spill, or would it cause the client to shutdown?	YES	NO
2. Do I need to make this Journey?	YES	NO
3. Is it <b>SAFE</b> enough to make this Journey <b>NOW</b> with current road & weather conditions?	YES	NO
4. Can I combine this Journey with another?	YES	NO
5. Can another person who is closer make this Journey?	YES	NO
6. Am I properly equipped with tools, spare parts, PPE, etc., needed for the Journey?	YES	NO
7. Preferred / Safest Route (with additional map)		

EMPLOYEE / DRIVER MUST BE INFORMED OF DRIVING "LIFE SAVING RULES" (SEATBELT USE, NO SPEEDING, CELL PHONE USE WHILE DRIVING, NO ALCOHOL / DRUGS WHILE ON COMPANY TIME, FOLLOWING THIS "JOURNEY MANAGEMENT PLAN"

<b>DEPARTURE:</b>
-------------------



DATE: 3 128 1/6	TIME of DEPARTURE: 7 :30 PM	ETA: 8:00 PM	TOTAL TRAVEL TIME: 30 minutes (HOURS)
TRIP NAME / DESCRIPTION: PSL			
DESTINATION: PSL Jeanette		DEFENSIVE DRIVER TRAINING COMPLETED? <input checked="" type="radio"/> YES <input type="radio"/> NO	
DRIVER NAME: C Breau		DRIVER CELL #: 319-0055	
DRIVER'S EMERGENCY CONTACT INFORMATION			
NAME: Corey Breau		Phone #: 319 0055	
VEHICLE TYPE: GMC	VEHICLE OWNER: C Breau	EQUIPPED WITH MONITORING SYSTEM (IVMS)? YES <input checked="" type="radio"/> NO <input type="radio"/>	
BRIEF DESCRIPTION OF DEPARTURE ROUTE: Hwy 90 To Hwy 87			
EXPECTED ROAD CONDITIONS / OTHER KNOWN HAZARDS:			
LIST PASSENGERS:			
1. C Breau		4.	
2.		5.	
3.		6.	
RETURN:			
DATE: / /		TIME: :	
EXPECTED ROAD CONDITIONS / OTHER KNOWN HAZARDS:			

**HAZARD MITIGATION:**

1. Focus on driving ONLY.
2. Review maps and directions before getting on the road, have maps and directions close, and pull over if you have to review them.
3. Remove all distractions, cell phones etc.
4. Heavy traffic areas & construction zones should be avoided. Consider time of day when journey will take place.
5. Adjust speed as road conditions vary.
6. Avoid left turns across traffic.
7. Use familiar routes.
8. When parking, park away from high traffic areas, make sure to avoid tight parking spaces.
9. Always plan before your journey, give extra time to reach your destination.
10. Don't speed if you are running late, take your time.



# Safety Data Sheet

**Material Name:** Crude Oil Sweet

**SDS No. 6607**  
US GHS

**Synonyms:** Crude Petroleum; Sour Crude

## \*\*\* Section 1 - Product and Company Identification \*\*\*

### Manufacturer Information

Hess Corporation  
1 Hess Plaza  
Woodbridge, NJ 07095-0961

Phone: 732-750-6000 Corporate EHS  
Emergency # 800-424-9300 CHEMTREC  
[www.hess.com](http://www.hess.com) (Environment, Health, Safety Internet Website)

## \*\*\* Section 2 - Hazards Identification \*\*\*

### GHS Classification:

Flammable Liquids - Category 2  
Germ Cell Mutagenicity - Category 1B  
Carcinogenicity - Category 1A  
Specific Target Organ Toxicity Single Exposure - Category 3  
Specific Target Organ Toxicity Repeat Exposure - Category 2

### GHS LABEL ELEMENTS

#### Symbol(s)



#### Signal Word

Danger

#### Hazard Statements

Highly flammable liquid and vapor.  
May cause genetic defects.  
May cause cancer.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
May cause damage to organs (liver, kidneys, blood, nervous system, and skin) through prolonged or repeated exposure.

#### Precautionary Statements

##### Prevention

Keep away from heat/sparks/open flames/hot surfaces. No smoking  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Obtain special instructions before use.

# Safety Data Sheet

## Material Name: Crude Oil Sweet

Do not handle until all safety precautions have been read and understood.  
Do not breathe gas/mist/vapors/spray  
Wear protective gloves/protective clothing/eye protection/face protection.

### Response

IF ON SKIN (or hair): Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

IF exposed or concerned: Get medical advice/attention.

In case of fire: Use water spray, fog or fire fighting foam.

### Storage

Store in a well-ventilated place. Keep cool.

Store locked up.

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
8002-05-9	Petroleum distillates (naphtha)	100
71-43-2	Benzene	<1

A natural product derived from various oil production field primarily consisting of a complex combination of paraffinic and aromatic hydrocarbons and small amounts of nitrogen and sulfur compounds.

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

### First Aid: Skin

Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops. Thermal burns require immediate medical attention depending on the severity and the area of the body burned.

### First Aid: Ingestion

DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

### First Aid: Inhalation

Remove person to fresh air. If person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

# Safety Data Sheet

Material Name: Crude Oil Sweet

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.

Vapors may be ignited rapidly when exposed to heat, spark, open flame or other source of ignition. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

### Hazardous Combustion Products

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

### Extinguishing Media

SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO2, water spray, fire fighting foam, or gaseous extinguishing agent.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

### Unsuitable Extinguishing Media

None

### Fire Fighting Equipment/Instructions

Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment. Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA- approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing. Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam.

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Recovery and Neutralization

Carefully contain and stop the source of the spill, if safe to do so.

### Materials and Methods for Clean-Up

Take up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal.

### Emergency Measures

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas. Product may release substantial amounts of flammable vapors and gases (e.g., methane, ethane, and propane), at or below ambient temperature depending on source and process conditions and pressure.

### Personal Precautions and Protective Equipment

Response and clean-up crews must be properly trained and must utilize proper protective equipment (see Section 8).



# Safety Data Sheet

Material Name: Crude Oil Sweet

## Environmental Precautions

Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of fire fighting foam may be useful in certain situations to reduce vapors. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources or areas/equipment that require protection - do not discharge solid water stream patterns into the liquid resulting in splashing.

## Prevention of Secondary Hazards

None

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Handle as a flammable liquid. Keep away from heat, sparks, and open flame! Electrical equipment should be approved for classified area. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion.

### Storage Procedures

Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Avoid storage near incompatible materials. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks."

## Incompatibilities

Keep away from strong oxidizers.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Component Exposure Limits

#### Petroleum distillates (naphtha) (8002-05-9)

OSHA: 400 ppm TWA; 1600 mg/m<sup>3</sup> TWA

NIOSH: 350 mg/m<sup>3</sup> TWA

1800 mg/m<sup>3</sup> Ceiling (15 min)

#### Benzene (71-43-2)

ACGIH: 0.5 ppm TWA

2.5 ppm STEL

Skin - potential significant contribution to overall exposure by the cutaneous route

OSHA: 5 ppm STEL (Cancer hazard, Flammable, See 29 CFR 1910.1028, 15 min); 0.5 ppm Action Level; 1 ppm TWA

NIOSH: 0.1 ppm TWA

1 ppm STEL

## Engineering Measures

Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

# Safety Data Sheet

Material Name: Crude Oil Sweet

## Personal Protective Equipment: Respiratory

A NIOSH/ MSHA-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited.

Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection.

## Personal Protective Equipment: Hands

Gloves constructed of nitrile or neoprene are recommended.

## Personal Protective Equipment: Eyes

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying.

## Personal Protective Equipment: Skin and Body

Chemical protective clothing such as of E.I. DuPont TyChem®, Saranex® or equivalent recommended based on degree of exposure. Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.

## Hygiene Measures

Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Do not use as a cleaning solvent on the skin. Do not use gasoline or solvents (naphtha, kerosene, etc.) for washing this product from exposed skin areas.

Waterless hand cleaners are effective. Promptly remove contaminated clothing and launder before reuse. Use care when laundering to prevent the formation of flammable vapors which could ignite via washer or dryer. Consider the need to discard contaminated leather shoes and gloves.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b>	Thick, dark yellow to brown or greenish black	<b>Odor:</b>	Characteristic, petroleum/asphalt-type odor
<b>Physical State:</b>	Liquid	<b>pH:</b>	ND
<b>Vapor Pressure:</b>	Variable	<b>Vapor Density:</b>	3-5 typical
<b>Boiling Point:</b>	AP 100-1000+ °F (>260 °C)	<b>Melting Point:</b>	ND
<b>Solubility (H2O):</b>	Insoluble to slightly soluble	<b>Specific Gravity:</b>	AP 0.7-0.9 (varies)
<b>Evaporation Rate:</b>	Variable	<b>VOC:</b>	ND
<b>Octanol/H2O Coeff.:</b>	ND	<b>Flash Point:</b>	<73 to >200 °F (<23 to >93°C)
<b>Flash Point Method:</b>	ND	<b>Upper Flammability Limit (UFL):</b>	ND
<b>Lower Flammability Limit (LFL):</b>	ND	<b>Burning Rate:</b>	ND
<b>Auto Ignition:</b>	ND		

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

This is a stable material.

### Hazardous Reaction Potential

Will not occur.

# Safety Data Sheet

Material Name: Crude Oil Sweet

## Conditions to Avoid

Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources.

## Incompatible Products

Keep away from strong oxidizers.

## Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Toxicity

#### A: General Product Information

Harmful if swallowed.

#### B: Component Analysis - LD50/LC50

Petroleum distillates (naphtha) (8002-05-9)

Oral LD50 Rat >4300 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

**Benzene (71-43-2)**

Inhalation LC50 Rat 13050-14380 ppm 4 h; Oral LD50 Rat 1800 mg/kg

### Potential Health Effects: Skin Corrosion Property/Stimulativeness

Practically non-toxic if absorbed following acute (single) exposure. May cause skin irritation with prolonged or repeated contact. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are exposed repeatedly. Rare, precancerous warts on the forearms, backs of hands and scrotum have been reported from prolonged or repeated skin contact.

### Potential Health Effects: Eye Critical Damage/ Stimulativeness

Contact with eyes may cause moderate to severe irritation.

### Potential Health Effects: Ingestion

Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death may occur.

### Potential Health Effects: Inhalation

Excessive exposure may cause irritations to the nose, throat, lungs and respiratory tract. Central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

### Respiratory Organs Sensitization/Skin Sensitization

This product is not reported to have any skin sensitization effects.

### Generative Cell Mutagenicity

May cause genetic defects. Some crude oils and crude oil fractions have been positive in mutagenicity studies.

### Carcinogenicity

#### A: General Product Information

May cause cancer.

# Safety Data Sheet

## Material Name: Crude Oil Sweet

Studies have shown that similar products produce skin tumors in laboratory animals following repeated applications without washing or removal. The significance of this finding to human exposure has not been determined. Other studies with active skin carcinogens have shown that washing the animal's skin with soap and water between applications reduced tumor formation.

This product contains benzene. Human health studies indicate that prolonged and/or repeated overexposure to benzene may cause damage to the blood-forming system (particularly bone marrow), and serious blood disorders such as aplastic anemia and leukemia. Benzene is listed as a human carcinogen by the NTP, IARC, OSHA and ACGIH.

### B: Component Carcinogenicity

#### Petroleum distillates (naphtha) (8002-05-9)

IARC: Monograph 45 [1989] (Group 3 (not classifiable))

#### Benzene (71-43-2)

ACGIH: A1 - Confirmed Human Carcinogen

OSHA: 5 ppm STEL (Cancer hazard, Flammable, See 29 CFR 1910.1028, 15 min); 0.5 ppm Action Level; 1 ppm TWA

NIOSH: potential occupational carcinogen

NTP: Known Human Carcinogen (Select Carcinogen)

IARC: Monograph 100F [in preparation]; Supplement 7 [1987]; Monograph 29 [1982] (Group 1 (carcinogenic to humans))

### Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

### Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any specific target organ general toxicity single exposure effects.

### Specified Target Organ General Toxicity: Repeated Exposure

May cause damage to organs (liver, kidneys, blood, nervous system and skin) through prolonged or repeated exposure.

### Aspiration Respiratory Organs Hazard

The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

Keep out of sewers, drainage areas and waterways. Report spills and releases, as applicable, under Federal and State regulations.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

##### Petroleum distillates (naphtha) (8002-05-9)

###### Test & Species

96 Hr LC50 *Salmo gairdneri*

258 mg/L [static]

24 Hr EC50 *Daphnia magna*

36 mg/L

48 Hr EC50 *Daphnia magna*

<0.26 mg/L [Static]

###### Conditions



## Safety Data Sheet

**Material Name: Crude Oil Sweet**

### Benzene (71-43-2)

#### Test & Species

#### Conditions

96 Hr LC50 Pimephales promelas	10.7-14.7 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss	5.3 mg/L [flow-through]
96 Hr LC50 Lepomis macrochirus	22.49 mg/L [static]
96 Hr LC50 Poecilia reticulata	28.6 mg/L [static]
96 Hr LC50 Pimephales promelas	22330-41160 µg/L [static]
96 Hr LC50 Lepomis macrochirus	70000-142000 µg/L [static]
72 Hr EC50 Pseudokirchneriella subcapitata	29 mg/L
48 Hr EC50 Daphnia magna	8.76 - 15.6 mg/L [Static]
48 Hr EC50 Daphnia magna	10 mg/L

### Persistence/Degradability

No information available.

### Bioaccumulation

No information available.

### Mobility in Soil

No information available.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

### Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### DOT Information

**Shipping Name:** Petroleum Crude Oil

**UN #:** 1267 **Hazard Class:** 3

**Placard:**



# Safety Data Sheet

Material Name: Crude Oil Sweet

## \*\*\* Section 15 - Regulatory Information \*\*\*

### Regulatory Information

#### Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

#### Benzene (71-43-2)

SARA 313: 0.1 % de minimis concentration

CERCLA: 10 lb final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule); 4.54 kg final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule)

#### SARA Section 311/312 - Hazard Classes

Acute Health

X

Chronic Health

X

Fire

X

Sudden Release of Pressure

--

Reactive

--

#### SARA SECTION 313 - SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

#### INGREDIENT NAME (CAS NUMBER)

Benzene (71-43-2)

#### CONCENTRATION PERCENT BY WEIGHT

<0.1 to 2

### State Regulations

#### Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Petroleum distillates (naphtha)	8002-05-9	No	Yes	Yes	Yes	Yes	No
Benzene	71-43-2	Yes	Yes	Yes	Yes	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

#### Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Benzene	71-43-2	0.1 %

### Additional Regulatory Information

## Safety Data Sheet

Material Name: Crude Oil Sweet

### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Petroleum distillates (naphtha)	8002-05-9	Yes	DSL	EINECS
Benzene	71-43-2	Yes	DSL	EINECS

### \*\*\* Section 16 - Other Information \*\*\*

**NFPA® Hazard Rating**

Health	1
Fire	3
Reactivity	0



**HMIS® Hazard Rating**

Health	1	Slight
Fire	3	Serious
Physical	0	Minimal

\*Chronic

### Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

### Literature References

None

### Other Information

Information presented herein has been compiled from sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment.

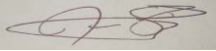

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.

End of Sheet

# CTEH® Site-Specific Health and Safety Plan (HASP)

Bayou Teche Crude Oil Release  
Jeanerette, Louisiana

March 29, 2016

	Name/Position	Signature	Date Signed
Prepared By:	Jason Davis		3/29/2016
Reviewed By:	Jamie Beck		
Reviewed By:	David Cawthon Ph.D.		3/29/2016
Approved By:			
Approved By:			
Approved By:			



## Health & Safety Plan Management of Change

Change 001

Name/Position	Signature	Date Signed
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Prepared By:

Approved By:

Change 002

Description of Change (include sections & page numbers):

Name/Position	Signature	Date Signed
---------------	-----------	-------------

Prepared By:

Approved By:

Change 003

Description of Change (include sections & page numbers):

Name/Position	Signature	Date Signed
---------------	-----------	-------------

Prepared By:

Approved By:

Document	Organization	Sector	Electronic Filename
HASP	CTEH	ER	108007_Jeanerette_LA_CrudeOil_HASP_v1.0.docx

## 1 INCIDENT INFORMATION

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**EFFECTIVE DATE:** 3/29/2016  
**INCIDENT NAME:** Bayou Teche Crude Oil Release  
**LOCATION:** Jeanerette, LA

### DESCRIPTION OF INCIDENT:

This incident involves the release of crude oil from a PSC Industrial Outsourcing, L.P. located at 9523 Highway 87, Jeanerette, LA 70544-3027.

### PURPOSE:

This plan addresses air and environmental monitoring tasks by Center for Toxicology and Environmental Health (CTEH®). The activities may include: worker activity air monitoring, community air monitoring, site assessment, water sampling, sediment sampling, and soil sampling.

This Site Specific Information has been developed from the latest available information revisions and alterations to this plan may become necessary as further information, (i.e., environmental sampling results, changes in site conditions, changes in scope of work, etc.), is developed or becomes available. All alterations to this plan should be recorded in the Health & Safety Plan Management of Change section.

All on-site personnel are required to review and comply with this Health and Safety Plan. It is the responsibility of the project manager to ensure this plan is implemented.

## 2 SITE & EMERGENCY CONTACTS

---

Emergency Services	Contact Information
Fire/Police/Ambulance	911

Project Contacts	Company	Contact Number
Project Manager:	Jamie Beck	CTEH
Project Technical Director:	David Cawthon	CTEH

Document	Organization	Sector	Electronic Filename
HASP	CTEH	ER	108007_Jeanerette_LA_CrudeOil_HASP_v1.0.docx

### 3 SITE CONTROL

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SEE ADDENDUM FOR A LOCATION MAP

SEE ADDENDUM FOR A MAP TO THE HOSPITAL

<b>LOCATION OF STAGING AREA:</b>	<b>Within PSC Facility Perimeter</b>
<b>SITE SECURITY AND ACCESS POINTS:</b>	<b>Front and Rear Gate of PSC Jeanerette Facility</b>
<b>LOCATION OF EXCLUSION ZONE:</b>	<b>TBD</b>
<b>LOCATION OF SUPPORT ZONE:</b>	<b>TBD</b>

### 4 HAZARD ASSESSMENT

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#### CHEMICAL HAZARDS

Overall, crude oil has relatively low acute, or short-term exposure toxicity (API, 2003). The volatile components of crude oil vapors to which workers might be exposed consist primarily of aliphatic hydrocarbons and aromatic compounds such as benzene and toluene (API, 2003). Short-term exposure to high levels of the volatile components of crude oil is unlikely but can result in irritation of the eyes and upper respiratory tract, and in extreme circumstances, central nervous system depression. Symptoms of short-term exposure to crude oil vapors are expected to pass quickly upon cessation of exposure. Flammability, especially in confined areas, is a primary hazard associated with the volatile components of crude oil. Ingestion of sufficient amounts of crude oil to produce adverse health effects is unlikely.

See Sampling and Analysis Plan for site specific action levels.

#### PHYSICAL HAZARDS

##### 4.1.1 Weather Information

Responders should always maintain situational awareness of changing weather conditions through their CTEH® provided handheld device. Additionally, a safety briefing will occur prior to the beginning of each shift and weather information should be presented at that time.

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#### 4.1.2 Cold/Heat Stress

Cold/Heat stress hazards and strategies for mitigating impact on worker safety and health are addressed in an addendum to this document.

#### 4.1.3 Severe Weather Hazard

In the event that a severe weather event disrupts work activity, seek shelter immediately. Egress work area as to the nearest enclosed shelter and stay away from windows if possible. Alert the CTEH division supervisor or project manager as soon as possible, and provide a situational update.

In the event of a tornado, two of the most fundamental precautions that you can take, no matter where you are, staying low to or below the ground in an interior space away from windows and covering your head with your hands and arms. If driving, do not try to outpace a tornado, just move away from the tornado in a 90° angle.

If a lightning strike is observed within 10 miles of the work site, a mandatory 30 minute stand down will be in effect. Seek shelter indoors or in a vehicle. The stand down will continue to restart until the last lightning strike within 10 miles is observed. Stay indoors or in a vehicle until the entire 30 minute stand down period expires.

#### 4.1.4 Moving Vehicles

Be cautious of all motor vehicles on site as well as in the community. As a pedestrian, look 360° before walking to identify any moving vehicles in your nearby vicinity. Personnel should wear reflective safety gear as the outermost layer of clothing on site, day or night.

#### 4.1.5 Distracted Driving and Driving Safety

CTEH® personnel must abide by CTEH®, client, state and local regulations and guidelines regarding driving while using cell phones. Under no circumstances are CTEH® personnel permitted to text or email while driving. In most cases, CTEH® personnel should pull over, safely away from traffic to conduct cell phone or radio communications.

CTEH® personnel are not permitted to operate a motor vehicle without seatbelts being properly worn. Once you have secured your seatbelt, please adjust your window and driver mirrors. Do not block windows with contents such that your view is obstructed while driving.

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#### 4.1.6 Motor Vehicle Hazards

When operating a motor vehicle, look both ways before entering a roadway or crossing intersections. Look for pedestrians on or near roadways. Do not email or text while operating a motor vehicle. Driving at dusk and dawn or low light conditions decrease driver visibility, and beware that animals are much more active during these times. Driving on wet, snowy, gravel, or dirt roads warrant operation of the vehicle at a conservative speed. Not all gravel road crossings are controlled crossings; some do not have stop signs. In addition to lack of signage, high grasses may obstruct a driver's view at crossings

#### 4.1.7 Railway Hazards

When operating a motor vehicle, look both ways before crossing railroad tracks. Do not follow the railroad tracks when rail traffic is passing. All personnel will utilize their railroad contractor safety training, and anticipate the movement of rail traffic in all directions at all times. Any working limits and on-track protections should be discussed at all safety briefings.

#### 4.1.8 Heavy Equipment

Track hoes, bulldozers, dump trucks, vacuum trucks, commercial pickup trucks, and other heavy machinery may be present at the site during remediation activities. Stay outside of the boom radius of any lever-based heavy machinery.

#### 4.1.9 Electrical

Underground power lines, generators, light plants, and plug-in power sources may create the potential for electrical shock or electrocution. Assess all power equipment and power cords for defects. If any electrical equipment is defective, remove from service.

#### 4.1.10 Fire & Explosion

Crude oil is defined as a Class II combustible liquid. This is based on the various hydrocarbon constituents that compose crude oil and their combined combustible properties. Crude oil can be easily ignited by heat, sparks, or flames. Vapors may form explosive mixtures with air. Vapors may travel to a source of ignition and flash back. Most vapors are heavier than air; they will spread along ground and collect in low or confined areas (sewers, basements, tanks). This property may create a vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create a fire or explosion hazard. Containers may explode when heated.

Refer to the attached Air Sampling and Analysis Plan (SAP) for information regarding site specific action levels for flammable atmospheres.

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HASP	CTEH	ER	108007_Jeanerette_LA_CrudeOil_HASP_v1.0.docx

#### 4.1.11 Hot Work

Response operations may include hot work (i.e. cutting or grinding). Due to the fire and explosion hazard from crude oil constituents, WELDING OR USE OF TORCHES IS NOT PERMITTED UNLESS A HOT WORK PERMIT OR OTHER WRITTEN PERMISSION IS OBTAINED FROM THE SITE HEALTH AND SAFETY OFFICER - NO EXCEPTIONS. CTEH® employees will not participate or assist in the performance of hot work if this condition is not met. If hot work occurs and CTEH® is tasked with providing air monitoring for the hot work permit, LEL monitoring (confirmed by VOC readings) will be performed to determine whether combustible vapors are detected at or near the relevant Action Levels. See, the CTEH® hot work policy attached hereto as an addendum below.

#### 4.1.12 Trip Hazards

Uneven or slick terrain provides an environment in which slips, trips, and falls should be considered. Be aware of your travel path prior to walking or changing directions. Search for any obstructions that may present as a trip hazard.

#### 4.1.13 Noise

Emergency Response work sites are considered non-traditional and often difficult to characterize noise exposures. Please keep hearing protection readily accessible. For work areas experiencing high noise levels (greater than 90 dB) and/or impact noise (greater than 140 dB), please utilize hearing protection.

#### 4.1.14 Eye Protection

The site may include dusty conditions or particulate hazards from other sources. If dusty conditions are present, helmet-mounted goggles should replace safety glasses to further protect your eyes from particulate-induced eye injury.

#### 4.1.15 Dermal Contact Hazards

Crude Oil may cause contact dermatitis if exposed to skin for prolonged periods. Avoid skin contact with crude oil with use of appropriate chemical resistant gloves, boots, and coveralls. If skin contact occurs, wash with copious amounts of water for at least 15 minutes. Remove any contaminated clothing and discard. If redness or other irritation symptoms persist, seek medical attention.

#### 4.1.16 Water Hazards

Employees working in areas unprotected by passive fall protection systems (OSHA specified railings or nets), where the danger of drowning exists, must wear U.S. Coast Guard approved life jacket or buoyant work vest,

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commonly referred to as personal flotation device (PFD). However, this regulation can be superseded with the use of 1005 fall protection. If an employee cannot fall into the water as a result of use of active or passive fall protection, there is no danger of drowning, and a PFD is not required. Safety lines that prevent employees from reaching the water eliminate the danger of drowning, and negate the need for a PFD. The same is true when working on a barge or floating platform with an approved railing system.

## 5 EXPOSURE CONTROL

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### PERSONAL PROTECTION REQUIREMENTS

The following is the default level of PPE required. This level may be modified depending on specific site conditions or job tasks as determined by the Project Manager. Prior to beginning any work task determine the appropriate level of PPE through consultation with the PM or Site Safety Officer.

Level D - Hard hat, eye protection, foot protection, hearing protection, and fire resistant clothing (FRC). Level D PPE may also include helmet-mounted eye protection goggles.

### RESPIRATORY PROTECTION GUIDELINES

Refer to the attached Air Sampling and Analysis plan or specific Job Safety Analysis (JSA) for recommendations. Additionally, if CTEH® elects or is requested to engage in operations necessitating respiratory protection, an addendum to this document may be produced.

### REGULATED AREA & CRITICAL OPERATIONS

Based on the potential presence of benzene vapor, and as per OSHA 29 CFR 1910.1028, a regulated area will be established for locations where >0.5 ppm (OSHA Action Level) benzene vapor is sustained. This regulated area shall be demarcated in any manner that minimizes the number of persons within the area and protects persons outside the area from exposure to levels above the action level. Signs shall be posted at entrances to the regulated area. Respiratory protection must be used for those entering the regulated area. At a minimum, **a full-faced APR equipped with cartridges compatible for protection against benzene is required for CTEH® entrants into the regulated area.**

## 6 EDUCATION & TRAINING

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Personnel are required to be trained in accordance with 29CFR 1910.120 for the level at which they are performing duties.

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#### FACILITY TO PERFORM MEDICAL TESTING/MONITORING:

If medical monitoring is to be performed, representatives from CTEH® will locate the nearest qualified healthcare facility.

#### SITE SPECIFIC TRAINING REQUIRED:

In addition to the training requirements above, the following site specific training topics may be reviewed prior to work on the site:

- ☒ Site Hazards (material released, physical hazards, etc.)
- ☒ Work areas / activities identified
- ☒ Site Emergency Alerting / Contingency Plan
- ☒ Evacuation Route / Assembly Areas
- ☒ Required PPE
- ☒ Obtaining Medical Treatment / First Aid
- ☒ Decontamination procedures
- ☒ Buddy System
- ☐ Confined Space
- ☐ Other: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

#### SAFETY BRIEFING/HAZARD COMMUNICATION

A safety briefing will occur prior to the beginning of each shift and anytime that work conditions change. Site safety briefings will be completed each day and kept on file.

## 7 MEDICAL SURVEILLANCE

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#### SPECIAL MEDICAL MONITORING REQUIRED:

For benzene:

**1910.1028(i)(1)(i)**

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The employer shall make available a medical surveillance program for employees who are or may be exposed to benzene at or above the action level 30 or more days per year; for employees who are or may be exposed to benzene at or above the PELs 10 or more days per year; for employees who have been exposed to more than 10 ppm of benzene for 30 or more days in a year prior to the effective date of the standard when employed by their current employer; and for employees involved in the tire building operations called tire building machine operators, who use solvents containing greater than 0.1 percent benzene.

**1910.1028(i)(1)(ii)**

The employer shall assure that all medical examinations and procedures are performed by or under the supervision of a licensed physician and that all laboratory tests are conducted by an accredited laboratory.

**1910.1028(i)(1)(iii)**

The employer shall assure that persons other than licensed physicians who administer the pulmonary function testing required by this section shall complete a training course in spirometry sponsored by an appropriate governmental, academic or professional institution.

**1910.1028(i)(1)(iv)**

The employer shall assure that all examinations and procedures are provided without cost to the employee and at a reasonable time and place.

**1910.1028(i)(4)**

Emergency examinations.

**1910.1028(i)(4)(i)**

In addition to the surveillance required by (i)(1)(i), if an employee is exposed to benzene in an emergency situation, the employer shall have the employee provide a urine sample at the end of the employee's shift and have a urinary phenol test performed on the sample within 72 hours. The urine specific gravity shall be corrected to 1.024.

**1910.1028(i)(4)(ii)**

If the result of the urinary phenol test is below 75 mg phenol/L of urine, no further testing is required.

**1910.1028(i)(4)(iii)**

If the result of the urinary phenol test is equal to or greater than 75 mg phenol/L of urine, the employer shall provide the employee with a complete blood count including an erythrocyte count, leukocyte count with differential and thrombocyte count at monthly intervals for a duration of three (3) months following the emergency exposure.

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## 8 SAFETY EQUIPMENT, LOCATION, RESPONSIBILITY

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First Aid Kit	All Sites	First Aid/CPR trained personnel may use this kit to administer first aid as necessary.
Fire Extinguisher	Ask Site Safety Officer	Fire Extinguisher trained personnel may use this to extinguish small, manageable fire. Do not attempt to extinguish chemical fires based on compatibility, nor large fires for which the extinguisher is incapable of mitigating. For chemical fires or large fires, contact the fire dept.
Communication	Throughout site	Cell phones shall be used to maintain communication for all personnel.
Sanitation	Throughout site	Portable latrines or designated restroom facilities should be used accordingly.
Lighting	Throughout site and on personnel	Portable light plants should be used to illuminate the work area during dark or night operations. Personnel should also be equipped with flashlights or headlamps during dark or night operations.

## 9 DECONTAMINATION

---

General Guidelines: Effective decontamination procedures should be practiced to minimize secondary contamination of workers or the environment. Utilize available PPE at each site and always discard PPE onsite in appropriate containers. Bags of contaminated PPE should be taken to the nearest designated disposal area, as identified by the site supervisors.

General Decontamination Solutions: The use cleaning solutions should be appropriate for cases of severe contamination. Environmental and Safety personnel will permit solvents for use on personnel, equipment, and tools upon review of the SDS. All decontamination solutions are to be contained and collected for proper disposal.

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## 10 CONTINGENCY PLANS

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In the event of an emergency (at this incident site) the person first noticing the emergency should notify other workers in the immediate area. Evacuation should commence at once if the emergency poses any threat to the safety of the workers. Upon receiving notification of an emergency, the individual in charge of the work area should take appropriate measures to protect human life, the environment (including wildlife), and property.

### ESCAPE ROUTES:

Evacuate to crosswind and upwind locations.

### EVACUATION PROCEDURES:

Evacuate up or crosswind to an upwind location.

### ALERTING METHOD:

A single, long air horn blast at the release site will indicate that site conditions are no longer safe and workers should egress as directed in section 10 above. Communication will be through two-way radios and/or cell phones.

## 11 AMENDMENTS TO SITE SPECIFIC HEALTH & SAFETY PLAN

---

This Site-Specific Health and Safety Plan is based on information available at the time of preparation. Unexpected conditions may arise which necessitate changes to this plan. Unplanned activities and/or changes in the hazard status should initiate a review of major changes in this plan.

Changes in the hazard status or unplanned activities are to be submitted on “Amendments to Site-specific Health and Safety Plan” which is included as Page 2 of this plan.

Amendment must be approved by the Site Safety Officer prior to implementation of amendment.

All notes, documentation, and records must NOT be discarded after their use. Documents are to be submitted to designated personnel for record retention.

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## 12 SIGN-IN

[illegible]

Document	Organization	Sector	Electronic Filename
HASP	CTEH	ER	108007_Jeanerette_LA_CrudeOil_HASP_v1.0.docx

<b>ICS 208 - Site Safety Plan</b>					Version Name: Shoreline Cleanup Group				
Incident Name: Bayou Teche Incident					Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]				
Applies to Site: Shoreline Cleanup Group									
<b>Site Characterization</b>									
<b>Water</b>			<b>Land</b>			<b>Weather</b>			
<b>Wave Height</b>			<b>Land Use</b>			<b>Air Temp</b>		77.00 F	
<b>Speed</b>						<b>Wind Speed</b>		28.00 mph	
<b>Direction</b>						<b>Direction</b>		SSE	
<b>Site Hazards</b>									
<b>Yes</b>	<b>No</b>	<b>Hazards</b>	<b>Yes</b>	<b>No</b>	<b>Hazards</b>	<b>Yes</b>	<b>No</b>	<b>Hazards</b>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boat Safety	<input type="checkbox"/>	<input type="checkbox"/>	Fire, Explosion, In-situ Burning	<input type="checkbox"/>	<input type="checkbox"/>	Pump Hose	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Slips, Trips, and Falls	
<input type="checkbox"/>	<input type="checkbox"/>	Cold Stress	<input type="checkbox"/>	<input type="checkbox"/>	Helicopter Operations	<input type="checkbox"/>	<input type="checkbox"/>	Steam and Hot Water	
<input type="checkbox"/>	<input type="checkbox"/>	Confined Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lifting	<input type="checkbox"/>	<input type="checkbox"/>	Trenching/Excavation	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Drum Handling	<input type="checkbox"/>	<input type="checkbox"/>	Motor Vehicles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UV Radiation	
<input type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Visibility	
<input type="checkbox"/>	<input type="checkbox"/>	Electrical Operations	<input type="checkbox"/>	<input type="checkbox"/>	Overhead/Buried Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Weather	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plants/Wildlife	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Work Near Water	
<b>Air Monitoring Limits</b>									
Oxygen Level			Hydrogen Sulfide			Total Hydrocarbons			
LEL			Benzene						
<b>Engineering Controls</b>									
<input checked="" type="checkbox"/>	Source of release secured		<input type="checkbox"/>	Valve(s) closed		<input type="checkbox"/>	Energy sources locked/tagged out		
<input checked="" type="checkbox"/>	Site secured		<input type="checkbox"/>	Facility shut down					
<b>Personal Protective Equipment Required</b>									
<input type="checkbox"/>	Impervious suit		<input checked="" type="checkbox"/>	Hard hats		<input type="checkbox"/>	Boots		
<input type="checkbox"/>	Inner gloves		<input type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Hip Waders		
<input checked="" type="checkbox"/>	Outer gloves		<input checked="" type="checkbox"/>	Eye protection					
<input checked="" type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Personal flotation					
<b>Additional Control Measures Established</b>									
<input checked="" type="checkbox"/>	Decontamination		<input type="checkbox"/>	Illumination		<input checked="" type="checkbox"/>	Additional stations established		
<input type="checkbox"/>	Sanitation		<input checked="" type="checkbox"/>	Medical surveillance		<input type="checkbox"/>	Facilities provided		
<b>Work Plan</b>									
<input type="checkbox"/>	Booming		<input type="checkbox"/>	Excavation		<input type="checkbox"/>	Hot work		
<input type="checkbox"/>	Skimming		<input type="checkbox"/>	Heavy equipment		<input type="checkbox"/>	Appropriate permits used		
<input type="checkbox"/>	Vac trucks		<input checked="" type="checkbox"/>	Sorbent pads		<input checked="" type="checkbox"/>	Shoreline Cleanup		
<input type="checkbox"/>	Pumping		<input type="checkbox"/>	Patching					
<b>Training</b>									
<input type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements			<b>Training Requirements</b>		HAZWOPER			
<b>Organization</b>									
<b>Position</b>	<b>Name</b>		<b>Telephone/Radio</b>		<b>Position</b>	<b>Name</b>		<b>Telephone/Radio</b>	
Incident Commander					Operations Section Chief				
<b>ICS 208 - Site Safety Plan</b>					Prepared By Safety, Updated 03/30/2016 17:16 GMT -6:00 PP				
<b>INCIDENT ACTION PLAN SOFTWARE™</b>		Printed 03/30/2016 17:39 GMT -6:00					<b>© TRG</b>		



<b>ICS 208 - Site Safety Plan</b>				Version Name: Shoreline Cleanup Group					
Incident Name: Bayou Teche Incident				Period: Period 2 [03/31/2016 06:00 - 04/01/2016 06:00]					
Deputy Incident Commander				Shoreline Cleanup Group Supervisor					
Safety Officer									
<b>Emergency Plan</b>									
<input type="checkbox"/>	Fire Prevention Plan		<input checked="" type="checkbox"/>	Evacuation Plan					
<input type="checkbox"/>	Alarm System		<input type="checkbox"/>	First Aid Location					
<b>Notifications</b>									
<i>Facility</i>			<i>Phone</i>		<i>Facility</i>			<i>Phone</i>	
<input type="checkbox"/>	<b>Hospital</b>				<input type="checkbox"/>	<b>Fire</b>			
<input type="checkbox"/>	<b>Ambulance</b>				<input type="checkbox"/>	<b>Law Enforcement</b>			
<input type="checkbox"/>	<b>Air Ambulance</b>				<input type="checkbox"/>	<b>Emergency Response/Rescue</b>			
<b>Initial Briefing</b>									
<input checked="" type="checkbox"/>	Initial safety briefing prepared for each site								
<b>ICS 208 - Site Safety Plan</b>					Prepared By Safety, Updated 03/30/2016 17:16 GMT -6:00 PP				
<b>INCIDENT ACTION PLAN SOFTWARE™</b>		Printed 03/30/2016 17:39 GMT -6:00						© TRG	

## **EVACUATION PLAN**

The primary concern during emergency situations is the safety of all personnel at the Facility. Familiarity with the evacuation routes, the location of stored materials, and the general layout of the Facility is necessary to ensure a safe exit during life-threatening emergencies.

Evacuation routes can be determined by consulting the facility diagram located in **SECTION VIII** of this Emergency Response Action Plan. The facility diagram shows the general layout of the Facility and can be used to determine potential exit pathways during an emergency. Depending on the situation, however, the escape routes may vary and the individual will have to determine the safest escape route.

Factors to consider during evacuation are:

- When emergency alarm sounds, all work activity will cease and equipment will be shut down, if possible.
- Ensure that all visitors, as well as new employees are familiar with the evacuation plan and the facility layout. The facility diagram shows the locations of all gates and unlocked exits at the facility that can be used for facility evacuation.
- Ensure that all personnel are informed of the emergency and accounted for during evacuation operation. This can be accomplished by establishing a predesignated meeting location (a safe distance from any potential danger) and by calling roll of all facility personnel (including visitors) in a timely manner.
- Employees should remember to remain upwind of the release area at all times, if possible.
- Upon completion of the head count, the Facility Manager will attempt to determine the status of missing employees. If additional assistance is needed, the Facility Manager will call for local emergency assistance or activate the Abbeville Spill Management Team. The Incident Commander will assign personnel for rescue operations, if appropriate.
- All non-essential personnel should move to a designated location outside the Facility and remain until notified by the Incident Commander.
- The Incident Commander will designate police/fire department to evacuate any nearby homes or industries which may become endangered during the emergency.
- Common sense, calmness, and discretion should prevail at all times.

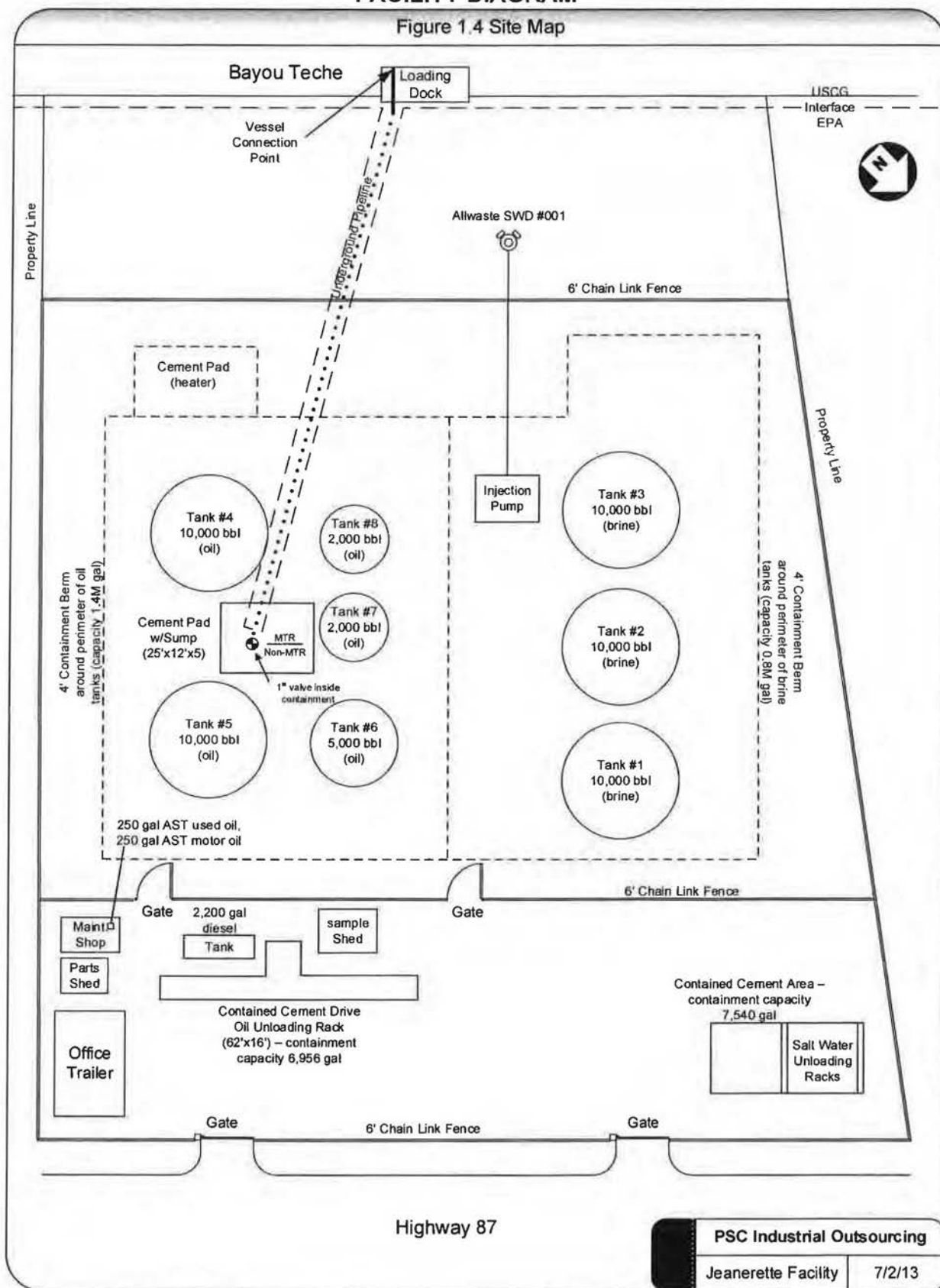
**IMMEDIATE RESPONSE ACTIONS**

<b>Response Action</b>	<b>Person Taking Action (Initials)</b>	<b>Date/Time Action Taken</b>
<b>First Person To Discover Spill</b>		
1. Immediately notify Facility Manager. If safe to do so, identify and control the source of the spill.		
<b>Primary Response Actions (Incident Commander or designee)</b>		
2. Conduct preliminary assessment of the situation and of the potential health and safety hazards. If someone is injured or if there is the potential for a fire or explosion, call out emergency services. Evacuate personnel, as needed.		
3. Shutdown potential ignition sources in the vicinity of the spill, including motors, electrical pumps, electrical power, vehicles, etc.		
4. If safe to do so, direct Facility responders to shut down and control the source of the spill. Be aware of potential explosion hazards associated with condensate and ensure that lower explosive limits are within safe levels before sending personnel into the spill area. See <b>SECTION 4</b> for response safety information.		
5. If safe to do so, direct Facility responders to deploy containment and sorbent boom located at the Facility from PSC. Consider deploying boom well in advance of the slick to reduce the safety hazards associated with operating boat engines near hydrocarbon vapors. See response map in <b>FIGURE 3.3</b> for recommended response strategies.		
6. Complete spill report form (included in <b>SECTION III</b> )		
<b>Notification/Documentation (Incident Commander)</b>		
7. Mobilize spill response contractors, if necessary, to assist in containment and cleanup operations. Always err on the side of caution when deciding if response contractors should be called. It is much better to demobilize equipment and personnel if not needed than to delay contacting them if they are needed. ____ AMPOL		
8. Notify PSC personnel: • TBD (QI), Lafayette Office		
9. Notify Appropriate Regulatory Agencies (to be initiated by corporate environmental department personnel identified above). Utilize agency notification summary form in <b>FIGURE 2.3</b> to document notifications. ____ National Response Center ____ USCG MSD Lake Charles ____ Louisiana Department of Environmental Quality		
10. Notify other neighboring facilities if there is a potential to impact them.		
11. Initiate documentation procedures. Document all response actions taken, including notifications, agency/media meetings, equipment and		

Response Action	Person Taking Action (Initials)	Date/Time Action Taken
personnel mobilization and deployment, and area impacted.		

# FACILITY DIAGRAM

Figure 1.4 Site Map



PSC Industrial Outsourcing

Jeanerette Facility

7/2/13





## Charenton-Sorrel, LA

Version 1.0


Prepared On Behalf Of:

# AMPOL

Prepared By:

Center for Toxicology and Environmental Health, L.L.C.  
1520 Northshore Drive  
North Little Rock, AR 72118

3/29/2016

Version 1.0			
	Name/Organization	Signature	Date Signed
Prepared by:	David Cawthon/CTEH		3/29/2016
Reviewed by:			
Approved by:			
Approved by:			
Approved by:			
Approved by			
Approved by			

**Air Monitoring and Sampling Strategy**

CTEH® is focusing on the mixtures, chemicals, and indicators of flammability chosen below because they are among the most important and readily monitored hazards of spilled crude oil. The possible hazards of crude oil vary by the source and type of the crude as well as with the environmental conditions associated with the spill. Monitoring and sampling for some chemicals or indicators of the presence of crude oil may be conducted less frequently or even discontinued as product-specific information becomes available or as initial monitoring and sampling results indicate that these chemicals and indicators do not pose a health concern.

The strategy is to utilize three broadly defined monitoring plans: **1) Worker Activity; 2) Community; 3) Site Assessment.** Worker Activity Monitoring will generally take place in the presence of workers performing/supporting remediation operations. The readings will generally be taken at a height consistent with that of the samplers breathing zone and in close proximity to workers without interfering or obstructing their remediation tasks. Community Monitoring may take place in those residential and commercial locations immediately surrounding the incident site, not necessarily currently occupied by members of the community. Unlike Worker Activity Monitoring and Community Monitoring, Site Assessment does not necessarily represent ambient air monitoring near breathing zone level. Site Assessment may involve a variety of different monitoring tasks intended to provide information that may help to delineate the nature and extent of the release (e.g. fence line monitoring, worst case determination, container head space, ground level, etc.).

Free-roaming handheld real-time air monitoring may be conducted in a variety of areas based on levels of activity, proximity to the release, and site conditions. Fixed-location handheld real-time locations may be established in the Community in order to provide concentration averages that may be observed and analyzed over time in distinct geographic locations in the community.

Radio-telemetry RAE Systems® AreaRAE/MultiRAE Pro units may be deployed in all monitoring plans to allow for continuous air monitoring in multiple areas. AreaRAE/MultiRAE Pro readings may be received and monitored in a centralized location by CTEH® personnel to allow for recognition, communication, and response to changing conditions. A Particulate Monitoring Network may be deployed to record longer term concentration levels.

Discrete air samples may be collected in all monitoring areas and sent to an off-site laboratory for chemical analysis. These analytical air sampling techniques may be used to provide air quality data beyond the scope of real-time instruments. When necessary, discrete air samples may be collected on individual workers (personal sampling) to provide exposure data over the course of a work shift for more direct comparison to occupational exposure values.

**CTEH Site-Specific Action Levels**

**CTEH® site-specific action levels may be employed in all air monitoring plans to provide information for corrective action to limit potential exposures. These values do not replace occupational or community exposure standards or guidelines, but are intended to represent a concentration limit that triggers a course of action to better address worker and public safety. Action level exceedances will be communicated to Site Management and the CTEH Project Technical Director by the CTEH Project Manager (PM). Work practice may be assessed and then altered if necessary. Site-Specific Action Levels are not utilized for Site Assessment monitoring.**

**Plan 1: Worker Activity Monitoring**

Objective: Report air levels before they reach those requiring respiratory protection

Analyte	Action Level	Action to be Taken	Basis	Instrument	Detection Limit	Notes	Correction Factor
Total VOCs	30 ppm 5 min.	Assess for the presence of benzene/toluene/hexane, Report reading to PM	To avoid over exposure to benzene/toluene/hexane	MultiRAE AreaRAE	0.1 ppm	Measuring range: 1 – 200	NA
Benzene	0.5 ppm 5 minutes	Confirm reading with secondary instrument, Exit Area or don air purifying respirator; report reading to PM	OSHA PEL Action level	UltraRAE	0.05 ppm	UltraRAE - Change SEP tube frequently	NA
				Gastec tube #121L	0.05 ppm	Range: 0.1 to 65 Volume: Variable	Var.
Benzene	2.5 ppm 5 min.	Exit Area or don air purifying respirator; report reading to PM	ACGIH STEL Action level	UltraRAE	0.05 ppm	UltraRAE - Change SEP tube frequently	0.55
				Gastec tube #121L	0.05 ppm	Range: 0.1 to 65 Volume: Variable	Var.
Toluene	20 ppm	Sample only as requested, Report reading to PM	ACGIH <sup>®</sup> TLV	Gastec tube #122L	0.5 ppm	Range: 1 to 100 Volume: Var.	Var.
Hexane	50 ppm	Sample only as requested, Report reading to PM	ACGIH <sup>®</sup> TLV (n-hexane)	Gastec tube #102L	1 ppm	Range: 4 to 1200 Volume: Variable	Var.
Hydrogen Sulfide	1 ppm 5 min.	Exit Area, report reading to PM	ACGIH <sup>®</sup> TLV	MR Sensor	1 ppm	MultiRAE - Measuring range: 0 – 100 ppm	NA
				MR Pro Sensor	0.1 ppm	MR Pro - Measuring range: 0 – 100 ppm	NA
				Gastec tube #4LL	0.1 ppm	Range: 0.25 to 120 Volume: Variable	Var.

Analyte	Action Level	Corrected Value	Action to be Taken	Basis	Instrument	Detection Limit	Notes	Correction Factor
LEL	1 % 1 min	2.5 %	Notify PM	Elevated LEL	MultiRAE AreaRAE	1 %	Measuring range: 1 – 100%	2.5*
LEL	4 %	10 %	Exit area and Notify PM	Elevated LEL	MultiRAE AreaRAE	1 %	Measuring range: 1 – 100%	2.5*

\*Rough estimate based on common crude oil volatiles.

**Plan 2: Community Monitoring**

Objective: Report air levels before they reach those causing nuisance or health issues

Analyte	Action Level	Action to be Taken	Basis	Instrument	Detection Limit	Notes	Correction Factor
Total VOCs	0.5 ppm 5 minutes	Report reading to PM. Assess for the presence of benzene/toluene/hexane, if requested	Approximate background level -	MultiRAE AreaRAE	0.1 ppm	Measuring range: 1 – 200	NA
Benzene	Detection	Sample only as requested, Report reading to PM	Inform PM/PTD of potential off-site issues	UltraRAE	0.05 ppm	UltraRAE - Change SEP tube frequently	NA
				Gastec tube #121L	0.05 ppm	Range: 0.1 to 65 Volume: Variable	Var.
Toluene	Detection	Sample only as requested, Report reading to PM	Inform PM/PTD of potential off-site issues	Gastec tube #122L	0.5 ppm	Range: 1 to 100 Volume: Variable	Var.
Hexane	Detection	Sample only as requested, Report reading to PM	Inform PM/PTD of potential off-site issues	Gastec tube #102L	1 ppm	Range: 4 to 1200 Volume: Variable	Var.
Hydrogen Sulfide	Detection	Exit Area, report reading to PM	Inform PM/PTD of potential off-site issues	MR Sensor	1 ppm	MultiRAE - Measuring range: 0 – 100 ppm	NA
				MR Pro Sensor	0.1 ppm	MR Pro - Measuring range: 0 – 100 ppm	NA
				MultiRAE PID	0.1 ppm	Measuring range: 0 – 100 ppm	3.3
				Gastec tube #4LL	0.1 ppm	Range: 0.25 to 120 Volume: Variable	Var.

Analyte	Action Level	Corrected Value	Action to be Taken	Basis	Instrument	Detection Limit	Notes	Correction Factor
LEL	1 %	2.5 %	Notify PM	Elevated LEL sustained 1 min	MultiRAE AreaRAE	1 %	Measuring range: 1 – 100%	2.5*
LEL	4 %	10 %	Exit area and Notify PM		MultiRAE AreaRAE	1 %	Measuring range: 1 – 100%	2.5*

\*Rough estimate based on common crude oil volatiles.

**Plan 3: Site Assessment**

Objective: Characterize nature and extent of release

Analyte	Action Level	Action to be Taken	Basis	Instrument	Detection Limit	Notes	Correction Factor
Total VOCs	NA	Report reading to PM	NA	MultiRAE AreaRAE	0.1 ppm	Measuring range: 1 – 5,000	NA
Benzene	NA	Report reading to PM	NA	UltraRAE	0.05 ppm	UltraRAE - Change SEP tube frequently	NA
				Gastec tube #121L	0.05 ppm	Range: 0.1 to 65 Volume: Variable	Var.
Toluene	NA	Report reading to PM	NA	Gastec tube #122L	0.5 ppm	Range: 1 to 100 Volume: Variable	Var.
Hexane	NA	Report reading to PM	NA	Gastec tube #102L	1 ppm	Range: 4 to 1200 Volume: Variable	Var.
Hydrogen Sulfide	NA	Report reading to PM	NA	MR Sensor	1 ppm	MultiRAE - Measuring range: 0 – 100 ppm	NA
				MR Pro Sensor	0.1 ppm	MR Pro - Measuring range: 0 – 100 ppm	NA
				MultiRAE PID	0.1 ppm	Measuring range: 0 – 100 ppm	3.3
				Gastec tube #4LL	0.1 ppm	Range: 0.25 to 2.5 Volume: 1,000 ml	Var.

Analytical Methods			
Analyte	Media/Can	Method	Notes
VOCs	Mini - Cans	EPA TO-15 with TICs	
Benzene	Charcoal tube	NIOSH 1501	
BTEX (+Hexane)	3M 3520 Badge or Assay 566	Modified NIOSH 1500/1501	



### General Information on Procedures (Assessment Techniques) Used

Procedure	Description
Guardian Network	A Guardian network may be established with AreaRAEs equipped with electrochemical sensors will be positioned at established locations around the work zone perimeter. The AreaRAEs will be telemetering instantaneous data at 15-second intervals to a computer console. MultiRAE Pros may also be used in the network. The data will be visible in real-time at the computer console and will be monitored 24 hours per day by CTEH personnel.
Real-Time Hand-held Survey	CTEH staff members may utilize handheld instruments (e.g. MultiRAE Plus; ppbRAE, Gastec colorimetric detector tubes, etc.) to measure airborne chemical concentrations. CTEH will use these hand-held instruments primarily to measure for ambient air quality at breathing zone level. Additionally, measurements may be made at grade level, as well as in elevated workspaces, as indicated by chemical properties or site conditions. CTEH may also use these techniques to verify detections observed by the AreaRAE network.
Fixed Real-Time Monitoring Locations	Multiple Community locations may be identified and monitored at the same location approximately once per hour using hand-held instruments. This allows use statistical analysis more effectively than with a random approach.
Analytical sampling	Analytical sampling may be used to validate the fixed station and hand-held data monitoring data, or to provide data beyond the scope of the real-time instruments. Analytical samples may be collected as whole air samples in evacuated canisters or on specific collection media, and sent to an off-site laboratory for further chemical analysis.
Particulate Monitoring Network	A network of data-logging particulate monitors may be set up and positioned around the Community.

### Quality Assurance/Quality Control Procedures

Method	Procedure
Real-Time	<ul style="list-style-type: none"> <li>Real-time instruments may be calibrated in excess of the manufacturer's recommendations. <ul style="list-style-type: none"> <li>At a minimum whenever indicated by site conditions or instrument readings.</li> </ul> </li> <li>Co-located sampling for analytical analysis may be conducted, if necessary, to assess accuracy and precision in the field.</li> <li>Lot numbers and expiration dates may be recorded with use of Gastec colorimetric tubes.</li> </ul>
Analytical	<ul style="list-style-type: none"> <li>Chain of custody documents may be completed for each sample.</li> <li>Level IV data validation may be performed on the first sample group analyzed.</li> <li>Level II data validation may be performed on 20% of all samples.</li> <li>Level IV data validation may be performed on 10% of all samples.</li> </ul>
Reporting	<ul style="list-style-type: none"> <li>Daily Data Summaries may be provided for informational purposes using data that have not undergone complete QA/QC.</li> <li>Comprehensive reports of real-time and/or analytical data may be generated following QA/QC and may be delivered 60 days following receipt of validated results, if applicable.</li> </ul>

### Glossary

Term	Definition
Sustained	Instrument reading above the action level continuously for the listed time period.

Term	Definition
Excursion Limit	Whenever a reading exceeds a ACGIH® TLV reading by 5 times (if the chemical does not have a STEL or Ceiling based action level), exit the area and notify the PM
Breathing zone	The area within an approximate 10-inch radius of an individual's nose and mouth.
Ambient Air	That portion of the atmosphere (indoor or outdoor) to which workers and the general public have access.

#### Change from version 1.0 to 1.1

- In the section titled:*

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Review by:			
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#### Change from version 1.1 to 1.2

- In the section titled:*

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Approved by:			
Approved by:			
Approved by			
Approved by			